

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 05/Nov/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	168.760	845.222	1) Gujrat	1.980	11.395
2) Hydro	5.800	39.594	2) Madhya Pradesh	3.935	27.669
3) Gas	5.846	33.079	3) Chattisgarh	7.760	37.750
Total MSPGCL	180.406	917.895	4) Maharashtra	209.205	1068.185
B) 1) APMIL	56.207	316.524	5) Goa (Amona)	-1.556	-7.648
2) JSWEL	25.619	130.829	Total	221.324	1137.351
3) VIPL	0.000	0.000	a) Mumbai Schedule	35.870	187.201
4) RPL(AMT)	25.610	127.824	b) Mumbai Drawl	35.178	199.814
5) SWPGPL	9.508	52.816	c) MSEDCL Bilateral *	107.571	545.656
6) Other IPP	18.704	78.971	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	35.870	187.201
C) 1) TPCL Thermal	12.581	64.794	Include PX	0.000	0.000
2) TPCL Hydro	1.678	14.140	Standby	0.000	0.000
3) TPCL Gas	2.474	11.660	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.598	50.716	1) MSEDCL	518.479	2629.498
D) STATE			2) Mumbai Discoms	62.509	341.121
1) Thermal	327.587	1667.696	3) Other Discoms	9.844	52.097
(A1+C1+C4+(B1-B6))			TOTAL STATE	590.832	3022.716
2) Hydro	7.478	53.734			
(A2+C2)					
3) Gas	8.320	44.739			
(A3+B7+C3)					
4) Wind	12.429	51.566			
6) SOLAR	13.694	67.633			
TOTAL STATE	369.508	1885.368			

* 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 23 Hrs
MSPGCL Thermal	7326	6553	6896	7089
MSPGCL Hydro	261	272	370	207
MSPGCL Gas	285	274	135	140
MSPGCL Total Generation	7872	7099	7401	7436
Central Sector Receipt	10370	10268	9183	8033
WIND	350	258	380	965
CPP / IPP Thermal	5432	5347	6418	5192
CPP / IPP Gas	0	0	0	0
SOLAR	1906	2034	0	0
Exchange with Mumbai	-1682	-1591	-1355	-1919
MSEDCL DEMAND MET	23826	22977	21575	19280
Load Shedding	0	0	0	0
MSEDCL DEMAND	23826	22977	21575	19280
TPCL GENERATION	565	677	985	530
AEML GENERATION	405	476	467	330
MUMBAI DEMAND	2652	2744	2807	2779
OTHER DISCOM DEMAND	422	438	452	427
STATE DEMAND MET	26900	26159	24834	22486
STATE DEMAND	26900	26159	24834	22486
Frequency (Hz)	49.97	50.00	50.01	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.27 Hz at 06.02 Hrs	49.78 Hz at 00.35 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 05/Nov/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.50	21.44	195	170
Unit 8	0.00	29.89	0	0
Unit 9	9.53	65.87	622	0
Unit 10	14.34	69.39	640	560
Total	28.36	186.59		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	9.96	50.23	450	385
Unit 5	9.82	51.13	455	385
Total	19.78	101.36		
Parli				
Unit 6	5.38	24.10	248	162
Unit 7	5.34	11.19	238	176
Unit 8	5.87	27.65	251	208
Total	16.59	62.95		
Chandrapur				
Unit 3	3.73	17.08	160	150
Unit 4	3.64	18.29	155	145
Unit 5	10.85	52.21	460	425
Unit 6	9.07	41.56	395	350
Unit 7	8.14	39.18	350	308
Unit 8	11.24	54.59	493	423
Unit 9	11.28	56.20	481	459
Total	57.96	279.12		
Paras				
Unit 3	5.36	26.28	232	220
Unit 4	5.70	24.91	243	224
Total	11.06	51.19		
Khaparkheda				
Unit 1	3.70	12.23	170	130
Unit 2	2.80	12.77	132	98
Unit 3	3.49	16.31	176	0
Unit 4	4.41	18.41	193	174
Unit 5	10.49	53.44	465	390
Total	24.89	113.16		
Nasik				
Unit 3	3.72	18.17	165	139
Unit 4	3.51	17.43	158	132
Unit 5	2.88	15.26	124	115
Total	10.11	50.86		
Uran				
All Units	5.85	33.08	294	135
Total	5.85	33.08		
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)	1.12	4.48	47	47
Total	1.12	4.48		
Koyna				
Stage 1-2	1.31	9.86	115	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	6.12	0	0
Stage 3	0.45	3.97	160	0
Total	1.76	19.94		
Hydro				
KDPH	0.43	3.22	18	18
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.20	0.96	40	0
SMLHY_PTN	2.28	10.99	102	90
GHATGHAR	0.00	0.00	0	0
Total	2.92	15.18		
Wind				
Total	12.43	51.57	0	0
Total	12.43	51.57		
CPP				
APML(Mus)	56.21	316.52	0	0
JSWEL(Mus)	25.62	130.83	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.61	127.82	0	0
SWPGPL-Mus	9.51	52.82	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.10	27.12	267	202
Other(Mus)	13.60	47.04	0	0
JPL	0.00	4.81	0	0
Total	135.65	706.96		
SOLAR				
Total	13.69	67.63	0	0
Total	13.69	67.63		
Tata				
Trombay 5	8.15	41.91	454	261
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.41	6.90	108	39
Trombay 7B	1.06	4.76	65	34
TATA Hydro	1.68	14.14	214	7
Trombay 8	4.43	22.89	231	130
Total	16.73	90.59		
AEML				
DTPS U-1&2	10.60	50.72	493	306
Total	10.60	50.72		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	168.76	845.22	MSPGCL Total	180.41	917.90
			MSPGCL Thml+Gas	174.61	878.30	Koyna 1,2 & 4 Total	1.31	15.97
			MSPGCL Hydro	5.80	39.59	State Total	369.51	1885.37

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 05/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	7144	199	287	7630	753	5730	0	0	9024	8152	-1382	20497	0	0	20497	2765	386	23648	49.89
2	7208	202	290	7700	811	5413	0	0	8918	8718	-1216	21061	0	0	21061	2603	365	24029	49.98
3	7268	197	291	7756	802	5416	0	0	8765	8380	-1092	20907	0	0	20907	2446	355	23708	50.01
4	7285	197	291	7773	738	5480	0	0	8740	8371	-1007	21019	0	0	21019	2330	336	23685	50.02
5	7283	197	293	7773	664	5569	0	0	8948	8657	-883	21440	0	0	21440	2261	340	24041	50.01
6	7339	202	293	7834	582	6056	0	0	9287	8828	-899	22033	0	0	22033	2273	368	24674	50.03
7	7289	201	290	7780	489	5786	0	33	9526	9181	-927	21969	0	0	21969	2256	373	24598	50.05
8	7336	240	294	7870	409	5815	0	349	9224	9016	-993	22077	0	0	22077	2247	389	24713	49.98
9	7325	310	290	7925	362	5517	0	926	9421	9387	-1499	22207	0	0	22207	2348	411	24966	49.97
10	7354	300	289	7943	415	5441	0	1457	9856	9770	-1524	23094	0	0	23094	2495	408	25997	49.96
11	7326	261	285	7872	350	5432	0	1906	10631	10370	-1682	23826	0	11	23826	2652	422	26900	49.97
12	6940	202	273	7415	308	5102	0	2022	10902	10651	-1592	23488	0	18	23488	2738	418	26644	50.00
13	6553	272	274	7099	258	5347	0	2034	10418	10268	-1591	22977	0	15	22977	2744	438	26159	50.00
14	6592	201	274	7067	253	5651	0	1906	10458	10201	-1650	23017	0	13	23017	2674	411	26102	50.00
15	6533	216	273	7022	216	5382	0	1498	11296	10954	-1736	22922	0	10	22922	2755	414	26091	50.04
16	6675	211	272	7158	246	5626	0	1038	11245	10879	-1752	22756	0	11	22756	2781	439	25976	50.00
17	6695	272	273	7240	278	5772	0	453	10578	10347	-1699	21944	0	5	21944	2716	447	25107	49.97
18	6763	216	164	7143	364	6327	0	72	9452	9205	-1477	21173	0	0	21173	2680	461	24314	49.98
19	6896	370	135	7401	380	6418	0	0	9483	9183	-1355	21575	0	0	21575	2807	452	24834	50.01
20	6883	479	136	7498	448	6118	0	0	9205	8746	-1688	20659	0	0	20659	2812	463	23934	50.02
21	6934	246	161	7341	528	6384	0	0	8199	7663	-1808	19644	0	0	19644	2794	464	22902	50.01
22	6985	206	138	7329	790	5498	0	0	8321	7961	-1835	19298	0	0	19298	2773	445	22516	49.98
23	7089	207	140	7436	965	5192	0	0	8412	8033	-1919	19280	0	0	19280	2779	427	22486	50.01
24	7065	204	140	7409	1020	5176	0	0	8613	8395	-1972	19618	0	0	19618	2780	410	22808	50.03
MUs	168.76	5.80	5.85	180.41	12.43	135.65	0.00	13.69	228.92	221.32	-35.18	518.48	0.00	0.08	518.48	62.51	9.84	590.83	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)132 kV BBLR To Rahuri Line over Load

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 05/Nov/2023

Position as on 6.30 Hrs of 06/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	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	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	Ghatghar Unit-2	125	27/10/2023	00:00		Continued.	Guide vain not openning	
MSPGCL	Bhusawal Unit 3	210	31/10/2023	23:45		Continued.	ID Fan Problem	07/11/2023
IPP	JPL Unit 1	150	03/11/2023	00:01		Continued.	For attending Hotspot of 220 KV Evacuation Line	09/11/2023
MSPGCL	Koradi Unit 8	660	03/11/2023	06:14		Continued.	Boiler Tube Leakage	07/11/2023
IPP	SWPGPL U-1	135	04/11/2023	00:21	05/11/2023	16:40	ID Fan Problem	05/11/2023
MSPGCL	Koradi Unit 9	660	05/11/2023	11:35	05/11/2023	17:29	On Reheat Protection.	
MSPGCL	Uran Unit 8	108	05/11/2023	17:17	05/11/2023	20:26	for Unit vibration measurement and balancing work.	
MSPGCL	Khaparkheda Unit 3	210	05/11/2023	19:08	05/11/2023	21:24	DCS card mulfunction.	
MSPGCL	Uran Unit 8	108	05/11/2023	21:03		Continued.	vibration measurement analysis and weight balancing related activities	07/11/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Nov/2023

Statement-VII

Position as on 6.30 Hrs of 06/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							
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.
KALWA - TALEGAON (PG)	InterState	05/11/2023	00:51	05/11/2023	06:56	PO	400KV Kalwa-Kharghar line tap on 400KV Kalwa-Talegaon(PG) at Loc no. 153-154 .For stringing of newly erected 2 Nos, towers in between location no.195 to 197, after erection of newly proposed 2 No. tower in between loc no. 195 to 197. MMRDA Katai Naka Bridge.
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 - 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.
KALWA - KHARGHAR	IntraState	05/11/2023	00:51	05/11/2023	06:56	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.
KHADKA- DEEPNAGAR CKT 2	IntraState	06/11/2023	08:20			PO	Main - 2 distance relay retrofitting work under MTAMC Projeet.
DHULE - DHULE(BDTCL) CKT - 2	IntraState	06/11/2023	11:35			PO	Circuit Breaker overhauling work by OEM. Line will be shifted on 400kV TBC
EKTUNI - TAPTITANDA CKT - 1	IntraState	06/11/2023	12:34			PO	Diagnostic Testing & Routine Maintenance
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
400/220KV 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

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Nov/2023

Statement-VII

Position as on 6.30 Hrs of 06/Nov/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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) - NAVASARI CKT - 2	IntraState	26/10/2023	20:16			HT	Charged from Navsary end only
220 KV KALMESHVAR WARUD CKT I	IntraState	01/11/2023	00:05			T	BPH CT Blast.
CHINCHWAD- PARVATI	IntraState	04/11/2023	11:22	06/11/2023	07:20	EO	Dismantling and commissioning of CT
KHADKI- CENTURY ENKA	IntraState	05/11/2023	07:45	05/11/2023	18:13	PO	Erection of Monopole towers at loc 30 A and 32 alongwith cut point formation on new monopoles.
KAMBA - VASAI	IntraState	05/11/2023	11:32	05/11/2023	15:23	PO	Diagnostic Testing and Bay maintenance work
220KV DONDAICHA - SHAHADA CKT 2	IntraState	05/11/2023	13:51	05/11/2023	19:16	PO	Replacement faulty string against PID report
MUMEWADI -HALKARNI 2 LINE	IntraState	06/11/2023	12:40			PO	Quarterly Maintenance
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		Continued.	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.
220/132 KV 100 MVA ICT I	IntraState	01/11/2023	11:19			HT	Attending oil leakages at various joints by agency. (m/s. shrikant traders).
220/33KV 25MVA PTR - 1 @ ONI	IntraState	04/11/2023	09:55	05/11/2023	16:55	EO	Replacement of Auxiliary Switch, Closing coil & Tripping coil each, variable resistor of 220/33kV, 25MVA BBL T/F No-1 CB RYB Ph pole
220/33KV 50MVA PTR 1 @ 5 STAR MIDC, KAGAL	IntraState	06/11/2023	10:15			PO	for LV back up relay replacement work by testing team.
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 .

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Nov/2023

Statement-VII

Position as on 6.30 Hrs of 06/Nov/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
MAIN BUS @ PAWAS	IntraState	06/11/2023	10:06			PO	For Insulator cleaning of 220kV Main Bus, Disconnection of 220kV Dead Bus & 220kV PT Maintenance at 220kV Pawas Substation
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.
BORIVLI (T) - BORIVLI (M) - BMC - KOLSHET	IntraState	05/11/2023	10:09	05/11/2023	16:17	PO	OPGW stringing in span 4-5 & 45-46-47

HT : Hand Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage