

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Nov/2022 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	120.949	2849.622	1) Gujrat	-8.695	-167.014
2) Hydro	5.536	161.900	2) Madhya Pradesh	-0.943	-37.905
3) Gas	2.727	38.499	3) Chattisgarh	6.470	122.600
Total MSPGCL	129.212	3050.021	4) Maharashtra	167.320	3384.181
B) 1) APLM	71.988	1302.915	5) Goa (Amona)	-0.984	-27.556
2) JSWEL	11.357	248.056	Total	163.168	3274.306
3) VIPL	0.000	0.000	a) Mumbai Schedule	26.817	635.812
4) RPL(AMT)	31.113	531.881	b) Mumbai Drawl	30.744	721.469
5) SWPGPL	8.573	144.565	c) MSEDCL Bilateral *	69.165	1401.327
6) Other IPP	40.444	662.978	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	26.817	635.810
C) 1) TPCL Thermal	9.605	215.141	Include PX	0.000	0.000
2) TPCL Hydro	1.192	72.224	Standby	0.000	0.002
3) TPCL Gas	0.755	7.877	H) ENERGY CATERED (MUs)		
4) AEML Thermal	7.015	174.140	1) MSEDCL	440.735	8821.734
D) STATE			2) Mumbai Discoms	49.311	1190.851
1) Thermal	301.044	6129.298	3) Other Discoms	8.676	186.106
(A1+C1+C4+(B1-B6))			TOTAL STATE	498.722	10198.691
2) Hydro	6.728	234.124			
(A2+C2)					
3) Gas	3.482	46.376			
(A3+B7+C3)					
4) Wind	11.349	274.171			
6) SOLAR	12.951	240.416			
TOTAL STATE	335.554	6924.385			

* 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 24 Hrs
MSPGCL Thermal	5271	5088	5238	4239
MSPGCL Hydro	654	183	169	125
MSPGCL Gas	97	112	141	97
MSPGCL Total Generation	6022	5383	5548	4461
Central Sector Receipt	8154	7903	7050	5700
WIND	373	272	567	1015
CPP / IPP Thermal	6958	6909	6966	5886
CPP / IPP Gas	0	0	0	0
SOLAR	1735	1888	4	0
Exchange with Mumbai	-1530	-1565	-1202	-1187
MSEDCL DEMAND MET	21341	20409	18535	15513
Load Shedding	0	0	0	0
MSEDCL DEMAND	21341	20409	18535	15513
TPCL GENERATION	421	417	689	530
AEML GENERATION	294	284	392	281
MUMBAI DEMAND	2245	2266	2283	1998
OTHER DISCOM DEMAND	372	381	398	362
STATE DEMAND MET	23957	23056	21216	17873
STATE DEMAND	23957	23056	21216	17873
Frequency (Hz)	50.00	50.00	50.03	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.27 Hz at 06:02 Hrs	49.78 Hz at 08:35 Hrs	50.02	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 20/Nov/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.56	93.18	215	140
Unit 7	0.00	0.00	0	0
Unit 8	12.91	255.00	582	370
Unit 9	12.70	254.98	571	380
Unit 10	12.04	113.78	540	380
Total	42.21	716.93		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	172.62	0	0
Unit 5	8.96	187.47	480	285
Total	8.96	360.10		
Parli				
Unit 6	3.95	79.61	211	150
Unit 7	3.56	75.34	176	130
Unit 8	3.88	66.79	201	144
Total	11.39	221.74		
Chandrapur				
Unit 3	2.91	62.54	134	108
Unit 4	2.53	58.23	114	91
Unit 5	6.62	128.96	292	265
Unit 6	0.00	107.25	0	0
Unit 7	7.66	146.14	360	290
Unit 8	8.86	193.27	435	282
Unit 9	0.00	167.33	0	0
Total	28.59	863.72		
Paras				
Unit 3	5.08	97.49	238	148
Unit 4	0.00	44.81	0	0
Total	5.08	142.30		
Khaparkheda				
Unit 1	2.47	53.74	130	80
Unit 2	3.05	54.04	145	115
Unit 3	3.78	62.76	178	130
Unit 4	3.52	68.48	165	125
Unit 5	8.45	190.94	375	275
Total	21.27	429.95		
Nasik				
Unit 3	0.08	1.39	60	0
Unit 4	3.37	54.51	154	122
Unit 5	0.00	58.99	0	0
Total	3.45	114.89		
Uran				
All Units	2.73	38.50	169	93
Total	2.73	38.50		
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)	0.07	11.37	43	0
Total	0.07	11.37		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	1.43	44.24	315	40
Stage 4	1.12	36.28	403	0
Stage 3	0.27	17.57	80	0
Total	2.82	98.08		
Hydro				
KDPH	0.43	6.79	18	18
VTRNA	0.00	0.00	0	0
TILLARI	0.47	4.47	58	0
BHIRA T.R.	0.14	3.81	40	0
SMLHY_PTN	1.60	32.32	68	64
GHATGHAR	0.00	5.06	0	0
Total	2.64	52.45		
Wind				
Total	11.35	274.17	0	0
Total	11.35	274.17		
CPP				
APML(Mus)	71.99	1302.92	0	0
JSWEL(Mus)	11.36	248.06	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.11	531.88	0	0
SWPGPL-Mus	8.57	144.56	0	0
Other(Mus)	40.44	662.98	0	0
Total	163.48	2890.40		
SOLAR				
Total	12.95	240.42	0	0
Total	12.95	240.42		
Tata				
Trombay 5	6.43	145.85	269	264
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.72	4.76	109	0
Trombay 7B	0.03	3.12	34	0
TATA Hydro	1.19	72.22	196	11
Trombay 8	3.18	69.29	135	130
Total	11.55	295.24		
AEMIL				
DTPS U-1&2	7.02	174.14	392	281
Total	7.02	174.14		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	120.95	2849.62	MSPGCL Total	129.21	3050.02
			MSPGCL Thml+Gas	123.68	2888.12	Koyna 1,2 & 4 Total	2.55	80.52
			MSPGCL Hydro	5.54	161.90	State Total	335.55	6924.38

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Nov/2022

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	LOAD SHED DING	MSEDC L DEM. WITH LS	MUMBAI DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	4686	215	95	4996	572	6443	0	0	5890	6256	-1305	16607	0	16607	2039	355	19001	50.00
2	4830	210	96	5136	486	6671	0	0	5823	5909	-1214	16666	0	16666	1918	323	18906	50.01
3	4884	125	97	5106	463	6938	0	0	5892	5827	-1119	16918	0	16918	1816	296	19031	50.03
4	4858	125	96	5079	483	6931	0	0	5884	6171	-1043	17316	0	17316	1750	304	19371	50.03
5	5028	125	97	5250	434	7021	0	0	6098	6247	-1019	17628	0	17628	1723	305	19656	50.01
6	5277	135	96	5508	413	7052	0	0	6588	6726	-1083	18275	0	18275	1784	341	20400	50.06
7	5230	125	97	5452	427	6992	0	21	7234	7386	-1095	18841	0	18841	1807	342	20990	50.06
8	5204	125	96	5425	323	7021	0	357	7193	7211	-1137	18841	0	18841	1861	359	21061	50.02
9	5359	704	99	6162	244	6969	0	938	6451	7096	-1254	19789	0	19789	1980	366	22135	49.97
10	5330	712	102	6144	351	6993	0	1428	7079	7215	-1402	20361	0	20361	2130	368	22859	49.91
11	5271	654	97	6022	373	6958	0	1735	7965	8154	-1530	21341	0	21341	2245	372	23957	50.00
12	5312	367	94	5773	305	6973	0	1845	8108	8126	-1574	21070	0	21070	2281	377	23729	50.02
13	5088	183	112	5383	272	6909	0	1888	8337	7903	-1565	20409	0	20409	2266	381	23056	50.00
14	5043	182	162	5387	234	6737	0	1727	7640	7767	-1489	19986	0	19986	2190	377	22553	50.05
15	5312	180	168	5660	197	6947	0	1482	7634	7390	-1434	19879	0	19879	2137	363	22379	50.00
16	5227	182	169	5578	232	6954	0	990	7932	7321	-1381	19311	0	19311	2130	383	21824	49.96
17	5116	188	169	5473	254	6940	0	471	7470	7370	-1328	18795	0	18795	2118	385	21298	49.99
18	5221	167	166	5554	402	6950	0	65	6615	6814	-1173	18221	0	18221	2135	391	20747	50.01
19	5238	169	141	5548	567	6966	0	4	7144	7050	-1202	18535	0	18535	2283	398	21216	50.03
20	5362	164	95	5621	676	6997	0	0	6504	6220	-1263	17863	0	17863	2252	388	20503	50.04
21	4966	124	93	5183	753	6748	0	0	5931	5788	-1371	16719	0	16719	2215	382	19316	50.02
22	4612	125	97	4834	877	6417	0	0	5822	5638	-1314	16077	0	16077	2166	375	18618	50.04
23	4256	125	96	4477	996	6063	0	0	5784	5883	-1262	15773	0	15773	2087	384	18244	50.07
24	4239	125	97	4461	1015	5886	0	0	5764	5700	-1187	15513	0	15513	1998	362	17873	50.10
MUs	120.95	5.54	2.73	129.21	11.35	163.47	0.00	12.95	162.78	163.17	-30.74	440.73	0.00	440.73	49.31	8.68	498.72	50.02

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 20/Nov/2022

Position as on 6.30 Hrs of 21/Nov/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Bhusawal Unit 3	210	15/10/2022	15:10		Continued.	ZERO SCHEDULE	
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.	31/03/2023
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	30/12/2022
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.	31/03/2023
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	23/12/2022
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	
MSPGCL	Uran Unit B0	120	09/10/2022	11:53	20/11/2022	15:29	TURBINE PROTECTION OPERATED	22/11/2022
IPP	JSW (J) U1	300	11/10/2022	02:40		Continued.	No Schedule	
TPC-G	Trombay 7B	60	04/11/2022	04:22	20/11/2022	23:00	Gas shortage	
TPC-G	Trombay 7A	120	04/11/2022	19:53	20/11/2022	23:00	Gas shortage	
CENT.SECTOR	Tarapur 3	540	07/11/2022	02:00		Continued.	For maintenance on reactor side	22/11/2022
MSPGCL	Nasik Unit 3	210	11/11/2022	03:16	20/11/2022	22:05	Boiler Tube Leakage (under tolling from 06:33 hrs dtd-13/11/2022)	20/11/2022
IPP	SWPGPL U-2	135	11/11/2022	19:36		Continued.	Submerged Scrapper Conveyor Scrapper bar problem.	23/11/2022
MSPGCL	Chandrapur Unit 6	500	16/11/2022	14:06		Continued.	ID Fan Problem	21/11/2022
MSPGCL	Chandrapur Unit 9	500	18/11/2022	21:28		Continued.	withdrawn due to LPBP warm line leakage	22/11/2022
MSPGCL	Koyna STG-IV Unit-3	250	19/11/2022	09:25		Continued.	Trunnion Seal repair work.	22/11/2022
MSPGCL	Paras Unit 4	250	19/11/2022	10:57	21/11/2022	09:30	Boiler Tube Leakage	22/11/2022
MSPGCL	Bhusawal Unit 4	500	19/11/2022	18:31		Continued.	Boiler Tube Leakage	22/11/2022
MSPGCL	Nasik Unit 5	210	19/11/2022	23:20		Continued.	Boiler Tube Leakage	24/11/2022
MSPGCL	Uran Unit 6	108	20/11/2022	18:32	21/11/2022	09:20	Gas shortage	
MSPGCL	Uran Unit B0	120	20/11/2022	19:06		Continued.	boiler protection	
IPP	RPL(AMT) U-4	270	21/11/2022	06:59		Continued.	Ash Evacuation problem.	23/11/2022

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Nov/2022

Statement-VII

Position as on 6.30 Hrs of 21/Nov/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV TIEBAY Outages/Trippings							
TIE BAY - 702 OF EKTUNI-AKOLA II ckt-2 @ EKTUNI	IntraState	21/11/2022	10:48			PO	Diagnostic Testing of CB & Routine Maintenance
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 1	IntraState	18/11/2022	00:36			PO	For Pole 1 Scheduled Annual Outage and Pole1 Y Phase Converter Transformer replacement work.
400 KV MAINBAY Outages/Trippings							
400KV MAIN BAY 413 OF SPARE BAY @ CHANDRAPUR 2	InterState	23/06/2022	20:33			EO	for requirement of trip coil material from 400 kv spare bay 413 CB and utilise it in 400 kv Warora Ckt 2 CB 425
MAIN BAY (407) OF STATION TF - 2 @ KORADI - 2	IntraState	21/11/2022	09:59			PO	Diagnostic Testing of CT & CB and routine bay maintenance work
400 KV LINE Outages/Trippings							
KUDUS - KALA CKT - 2	InterState	20/11/2022	15:58	20/11/2022	20:06	HT	Outage availed to attend hot spot at kudus end
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	08/11/2022	07:32			HT	For Load Management
KARAD - TALANDGE CKT - 1	IntraState	15/11/2022	17:03			PO	Overhauling of A bus, B Bus PG isolators.
PADGHE - PADGHE HVDC CKT- 1	IntraState	18/11/2022	00:36			PO	1) Bay Maint work 2) Diagnostic Testing work 3)A Bus :- PG Isolator replacement of 400kV HVDC-I Y&B-ph 4) Bhel CB Pole Overhauling work. If pole overhauling not completed within outage period line will be charge on TBC.
LONIKAND I - KOYNA STAGE-IV	IntraState	19/11/2022	18:23			EO	For shifting 400kV Lonikand-Stage IV line on 400kV TBC due to hotspot on 29 B Isolator B phase on hanger rod assembly
DEEPNAGAR - THAPTI TANDA	IntraState	20/11/2022	06:07	20/11/2022	11:32	PO	For faulty flash overed Y-ph string replacement work at loc no 206
DEEPNAGAR - AURANGABAD (WALUJ)	IntraState	20/11/2022	12:16	21/11/2022	07:59	PO	For replacement of faulty disc insulators by LRP strings
JAIGAD - KARAD CKT - 2	IntraState	20/11/2022	20:20	21/11/2022	09:47	HT	H/T FOR O/V
LONIKAND I - KOYNA STAGE-IV	IntraState	20/11/2022	22:05	21/11/2022	08:02	HT	For controlling overvoltage
PADGHE - NAGOTHANE CKT - 1	IntraState	21/11/2022	03:30	21/11/2022	08:14	HT	To control Overvoltage
THAPTI TANDA - AURANGABAD (WALUJ)	IntraState	21/11/2022	08:29			PO	1) String Disc Replacement Work 2) Maintenance Work
BUS - 2 @ NEW KOYNA	IntraState	21/11/2022	12:51			PO	1) 21/11/2022 to 22/11/2022 Bus Insulator replacement work at section TBC & Bus coupler & Spare bay 2) 23/11/2022 Bus Insulator replacement work at section Dabhol 1 & 2 3) 24/11/2022 Bus Insulator replacement work at section ICT I & ICT-II 4) 25/11/2022 Bus Insulator replacement work at section Koyana -I & II and damage conductor replacement work 5) 26/11/2022 Bus Insulator replacement work at section Karad - I & II 6) 27/11/2022 to 28/11/2022 Bus Insulator replacement work at section Jaigad - I & II
400 KV ICT Outages/Trippings							

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Nov/2022

Statement-VII

Position as on 6.30 Hrs of 21/Nov/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400/220 KV 315MVA ICT - 1 @ KARAD	IntraState	21/11/2022	07:25	21/11/2022	13:23	PO	Erection of 400 kV bushing & testing of ICT-I unit after internal inspectionis required for internal inspection of ICT-I R ph unit & taking R ph unit in service & spare ICT-I unit is to be taken out from RRS & kept on humming.
400/220 KV 167 MVA ICT @ PARLI	IntraState	21/11/2022	08:47			PO	(1) C & Tan delta measurement of ICT unit & CT. (2) Bay maintenance work.
400/220/33 KV 315MVA ICT - 3 @ KHADKA	IntraState	21/11/2022	09:10			PO	For quarterly ICT & bay maintenance work
220 KV LINE Outages/Trippings							
NALASOPARA - BOISAR PG	InterState	20/11/2022	09:38	20/11/2022	16:42	PO	The outage is proposed for safety purpose for erection of one side cross arms & one ckt stringing work at location no. 138.
BOISAR - VERSOVA	IntraState	12/11/2022	07:17			PO	Bunching of lines at location no.SS 82 to facilitate the following project work:DFCCIL project : Shifting of lines on temporary towers from SS 225 to SS 228. Post bunching the existing lines will be reconfigured as 220 kV Dahanu - Boisar temporary line.
DAHANU - VERSOVA	IntraState	12/11/2022	07:40			PO	Bunching of lines at location no.SS 82 to facilitate the following project work:DFCCIL project : Shifting of lines on temporary towers from SS 225 to SS 228. Post bunching the existing lines will be reconfigured as 220 kV Dahanu - Boisar temporary line.
EKLAHARE (OCR) - PADGHE	IntraState	15/11/2022	08:45	20/11/2022	01:19	HT	For Load Management
EKLAHARE (OCR) - NAVASARI CKT - 2	IntraState	19/11/2022	14:33			HT	H/T TO CONTROL BBLR LINE LOADING
EKLAHARE (OCR) - PADGHE	IntraState	20/11/2022	07:42			HT	for load management
TROMBAY - KALWA	IntraState	20/11/2022	08:40	20/11/2022	11:31	T	Tripped on distance protection (ph to ph fault)
MIRAJ - ICHALKARANJI	IntraState	21/11/2022	09:02			HT	Load management
TALANDGE - ICHALKARANJI 1	IntraState	21/11/2022	09:14			PO	1) Quarterly bay maintenance work at 220 kV Tilawani end. 2) Faulty String insulator discs replacement work.
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	21/11/2022	09:28			HT	Load management
TALANDAGE - FIVE STAR MIDC 1	IntraState	21/11/2022	12:22			PO	For STN string replacement at loc. no. Guid tower (B ph) & at loc no. 9 (R ph) as per PID report.
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.
220/132KV 100MVA PTR 1 @ KHAREPATAN	IntraState	22/09/2022	16:35			T	ICT bursted
220 / 110 / 22kv 250 MVA ICT 2 @ SALSETTE	IntraState	10/11/2022	10:35			EO	For attending to abnormal Nosie from ICT
220/33KV 50MVA BBL T/F @ OGLEWADI	IntraState	21/11/2022	09:59			PO	1.Diagnostic testing Work 2.Quarterly Maintenance Work 3.Oil leakage attending work
220/33KV 100MVA PTR 2 @ 5 STAR MIDC, KAGAL	IntraState	21/11/2022	10:35			PO	For diagnostic testing and quarterly maintenance work on dt. 21.11.2022

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Nov/2022

Statement-VII

Position as on 6.30 Hrs of 21/Nov/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/33 KV 50 MVA PTR NO 1 @ BHIGWAN	IntraState	21/11/2022	13:30			PO	To top up oil in main tank of TF
110 KV LINE Outages/Trippings							
KHOPOLI - BHIVPURI CKT - 2	IntraState	21/11/2022	10:33			PO	R/M & Protection testing at Khopoli

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