

**State Load Despatch Center, Airoli (MSETCL) Statement I**  
**Daily system Report for 21/Nov/2021 SUNDAY**

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	132.774	2976.361	1) Gujrat	-3.776	-130.182
2) Hydro	7.010	225.789	2) Madhya Pradesh	6.434	127.375
3) Gas	3.571	111.960	3) Chattisgarh	0.000	72.220
<b>Total MSPGCL</b>	<b>143.355</b>	<b>3314.110</b>	4) Maharashtra	157.088	3221.566
B) 1) APLM	51.467	1091.237	5) Goa (Amona)	-1.345	-32.975
2) JSWEL	12.496	286.069	<b>Total</b>	<b>158.401</b>	<b>3258.004</b>
3) VIPL	0.000	0.000	a) Mumbai Schedule	29.866	589.946
4) RPL(AMT)	19.292	440.257	b) Mumbai Drawl	26.417	596.018
5) SWPGPL	6.758	149.619	c) MSEDCL Bilateral *	44.015	971.254
6) Other IPP	33.829	600.061	Include PX	7.830	209.764
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	29.866	589.914
C) 1) TPCL Thermal	13.110	256.379	Include PX	17.795	352.586
2) TPCL Hydro	3.096	79.181	Standby	0.000	0.032
3) TPCL Gas	2.639	70.852	<b>H) ENERGY CATERED (MUs)</b>		
4) AEML Thermal	10.317	205.115	1) MSEDCL	416.819	8976.391
D) STATE			2) Mumbai Discoms	55.579	1207.544
1) Thermal	280.043	6005.098	<b>TOTAL STATE</b>	<b>472.398</b>	<b>10183.935</b>
(A1+C1+C4+(B1-B6))					
2) Hydro	10.106	304.970			
(A2+C2)					
3) Gas	6.210	182.812			
(A3+B7+C3)					
4) Wind	13.516	297.111			
6) SOLAR	4.122	135.941			
<b>TOTAL STATE</b>	<b>313.997</b>	<b>6925.932</b>			

\* 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 24 Hrs
MSPGCL Thermal	5734	5556	6179	5027
MSPGCL Hydro	314	276	248	239
MSPGCL Gas	136	136	181	142
MSPGCL Total Generation	6184	5968	6608	5408
Central Sector Receipt	7337	7600	6120	6453
WIND	413	492	326	80
CPP / IPP Thermal	5284	4949	5861	4865
CPP / IPP Gas	0	0	0	0
SOLAR	707	605	0	0
Exchange with Mumbai	-749	-838	-949	-1402
<b>MSEDCL DEMAND MET</b>	<b>19176</b>	<b>18776</b>	<b>17966</b>	<b>15404</b>
Load Shedding	0	0	0	0
MSEDCL DEMAND	19176	18776	17966	15404
TPCL GENERATION	1211	1141	998	598
AEML GENERATION	502	502	500	377
<b>MUMBAI DEMAND</b>	<b>2462</b>	<b>2481</b>	<b>2447</b>	<b>2377</b>
STATE DEMAND MET	21638	21257	20413	17781
<b>STATE DEMAND</b>	<b>21638</b>	<b>21257</b>	<b>20413</b>	<b>17781</b>
Frequency (Hz)	50.07	49.99	50.02	50.00

**FREQUENCY PARTICULARS**

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 11.03 Hrs	49.85 Hz at 20.34 Hrs	50.01	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Shift Engineer

Shift Incharge

## Daily and Progressive Generation, Maximum, Minimum for 21/Nov/2021

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
<b>Koradi</b>				
Unit 6	3.12	72.38	180	115
Unit 7	0.00	0.00	0	0
Unit 8	13.08	145.24	607	407
Unit 9	11.99	271.22	575	386
Unit 10	12.17	262.39	575	405
<b>Total</b>	<b>40.37</b>	<b>751.22</b>		
<b>Bhusawal</b>				
Unit 3	1.30	70.28	130	0
Unit 4	4.50	188.18	485	0
Unit 5	8.28	205.34	445	280
<b>Total</b>	<b>14.08</b>	<b>463.80</b>		
<b>Parli</b>				
Unit 6	0.00	53.06	0	0
Unit 7	3.90	84.96	187	144
Unit 8	3.78	87.30	191	150
<b>Total</b>	<b>7.68</b>	<b>225.33</b>		
<b>Chandrapur</b>				
Unit 3	2.96	51.33	139	119
Unit 4	3.01	66.19	137	120
Unit 5	7.23	170.60	320	290
Unit 6	0.00	0.00	0	0
Unit 7	7.04	167.06	303	266
Unit 8	8.38	194.61	410	278
Unit 9	8.37	201.61	433	278
<b>Total</b>	<b>36.99</b>	<b>851.40</b>		
<b>Paras</b>				
Unit 3	3.49	33.55	190	138
Unit 4	3.57	84.48	183	141
<b>Total</b>	<b>7.07</b>	<b>118.03</b>		
<b>Khaparkheda</b>				
Unit 1	3.01	56.31	145	115
Unit 2	2.98	67.64	145	115
Unit 3	3.28	68.16	160	126
Unit 4	3.11	72.58	166	120
Unit 5	7.87	193.59	430	280
<b>Total</b>	<b>20.25</b>	<b>458.27</b>		
<b>Nasik</b>				
Unit 3	0.00	0.00	0	0
Unit 4	2.99	38.05	134	116
Unit 5	3.36	70.26	185	118
<b>Total</b>	<b>6.34</b>	<b>108.31</b>		
<b>Uran</b>				
All Units	3.57	111.96	231	136
<b>Total</b>	<b>3.57</b>	<b>111.96</b>		
<b>PGPL</b>				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
<b>Total</b>	<b>0.00</b>	<b>0.00</b>		
<b>PENCH (MS)</b>				
Pench (MS)	0.00	6.98	0	0
<b>Total</b>	<b>0.00</b>	<b>6.98</b>		
<b>Koyna</b>				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	2.13	64.08	430	40
Stage 4	0.00	31.44	0	0
Stage 3	0.00	20.96	0	0
<b>Total</b>	<b>2.13</b>	<b>116.47</b>		
<b>Hydro</b>				
KDPH	0.00	1.58	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.16	4.39	80	0
SMLHY_PTN	4.72	100.69	212	184
GHATGHAR	0.00	2.65	0	0
<b>Total</b>	<b>4.88</b>	<b>109.32</b>		
<b>Wind</b>				
Total	13.52	297.11	0	0
<b>Total</b>	<b>13.52</b>	<b>297.11</b>		
<b>CPP</b>				
APML(Mus)	51.47	1091.24	0	0
JSWEL(Mus)	12.50	286.07	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	19.29	440.26	0	0
SWPGPL-Mus	6.76	149.62	0	0
Other(Mus)	33.83	600.06	0	0
<b>Total</b>	<b>123.84</b>	<b>2567.24</b>		
<b>SOLAR</b>				
Total	4.12	135.94	0	0
<b>Total</b>	<b>4.12</b>	<b>135.94</b>		
<b>Tata</b>				
Trombay 5	8.29	157.81	452	261
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.49	42.56	91	49
Trombay 7B	1.14	28.30	59	40
Trombay 8	4.82	98.57	219	154
TATA Hydro	3.10	79.18	394	0
<b>Total</b>	<b>18.84</b>	<b>406.41</b>		
<b>AEML</b>				
DTPS U-1&2	10.32	205.12	502	326
<b>Total</b>	<b>10.32</b>	<b>205.12</b>		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	132.77	2976.36	MSPGCL Total	143.36	3314.11
			MSPGCL Thml+Gas	136.34	3088.32	Koyna 1,2 & 4 Total	2.13	95.51
			MSPGCL Hydro	7.01	225.79	State Total	314.00	6925.93

# State Load Despatch Center, Airoli (MSETCL)

# Annexure-2

## Hourly Load Data As on 21/Nov/2021

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS										
1	5080	257	153	5490	1396	4758	0	0	6748	5951	-1513	16082	0	16082	2496	18578	50.00
2	4800	250	140	5190	1366	4799	0	0	6484	6265	-1427	16193	0	16193	2328	18521	49.98
3	4805	261	142	5208	1216	4800	0	0	6318	6025	-1335	15914	0	15914	2199	18113	49.99
4	4827	252	140	5219	1022	4806	0	0	6179	6328	-1246	16129	0	16129	2095	18224	49.98
5	5306	253	152	5711	958	4901	0	0	6183	6109	-1193	16486	0	16486	2044	18530	50.02
6	5629	254	141	6024	928	5028	0	0	6402	6503	-1210	17273	0	17273	2069	19342	49.99
7	5704	398	141	6243	783	5021	0	1	6678	6779	-1180	17647	0	17647	2059	19706	50.01
8	6152	395	141	6688	666	5721	0	87	6243	6392	-1136	18418	0	18418	2071	20489	50.00
9	6047	249	140	6436	617	5857	0	227	6476	6457	-1193	18401	0	18401	2163	20564	49.99
10	5915	377	138	6430	617	5817	0	433	6868	6899	-1035	19161	0	19161	2290	21451	50.00
11	5925	299	137	6361	507	5575	0	540	7457	7073	-842	19214	0	19214	2401	21615	50.02
12	5734	314	136	6184	413	5284	0	707	7662	7337	-749	19176	0	19176	2462	21638	50.07
13	5556	276	136	5968	492	4949	0	605	7942	7600	-838	18776	0	18776	2481	21257	49.99
14	5497	234	136	5867	334	4820	0	531	7834	7571	-921	18202	0	18202	2402	20604	50.04
15	5449	242	136	5827	219	4818	0	454	7972	7930	-807	18441	0	18441	2376	20817	50.01
16	5502	225	136	5863	233	4976	0	339	8005	7491	-792	18110	0	18110	2447	20557	50.03
17	5966	274	197	6437	165	5168	0	173	6736	6420	-974	17389	0	17389	2396	19785	49.99
18	5985	618	231	6834	243	5256	0	25	6065	6134	-1094	17398	0	17398	2359	19757	49.99
19	6179	248	181	6608	326	5861	0	0	6233	6120	-949	17966	0	17966	2447	20413	50.02
20	6037	244	140	6421	377	5855	0	0	6275	5655	-872	17436	0	17436	2389	19825	50.01
21	5606	232	141	5979	255	5251	0	0	6392	5881	-1130	16236	0	16236	2451	18687	49.97
22	5024	374	141	5539	189	4810	0	0	6526	6551	-1211	15878	0	15878	2401	18279	50.02
23	5022	245	153	5420	114	4846	0	0	6538	6477	-1368	15489	0	15489	2376	17865	50.00
24	5027	239	142	5408	80	4865	0	0	6512	6453	-1402	15404	0	15404	2377	17781	50.00
<b>MUs</b>	<b>132.77</b>	<b>7.01</b>	<b>3.57</b>	<b>143.36</b>	<b>13.52</b>	<b>123.84</b>	<b>0.00</b>	<b>4.12</b>	<b>162.73</b>	<b>158.40</b>	<b>-26.42</b>	<b>416.82</b>	<b>0.00</b>	<b>416.82</b>	<b>55.58</b>	<b>472.40</b>	<b>50.01</b>

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 21/Nov/2021**

Position as on 6.30 Hrs of 22/Nov/2021

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
<b>PLANNED OUTAGE</b>								
MSPGCL	Chandrapur Unit 6	500	17/10/2021	18.40		Continued.	Boiler Tripped On Total Air Flow less than 30%. (Converted to AOH 00:00 hrs 18.10.2021)	
IPP	Adani U-4	660	10/11/2021	23.58		Continued.	Capital Overhauling	
IPP	JSW (J) U2	300	19/11/2021	01.26		Continued.	Zero schedule.	
MSPGCL	Koyna STG-IV Unit-4	250	22/11/2021	09.55		Continued.	Annual Overhaul	
<b>FORCED OUTAGE</b>								
IPP	SWPGPL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
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	IEPL Unit 1	270	28/08/2018	21.26		Continued.	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)	
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
MSPGCL	Nasik Unit 3	210	30/08/2021	22.51		Continued.	Against case 4. which was outage on Loss of Fuel (From 19.44Hrs DT.26-08-2021)	
IPP	JSW (J) U1	300	02/09/2021	08.41		Continued.	Turbine vibrations high.	
MSPGCL	Uran Unit A0	120	10/09/2021	01.54		Continued.	Turbine bearing Vibration high	
MSPGCL	Uran Unit 5	108	07/11/2021	23.28		Continued.	Turbine problem.	
IPP	RPL(AMT) U-4	270	16/11/2021	00.00		Continued.	Coal Shortage	
MSPGCL	Parli Unit 6	250	17/11/2021	14.37		Continued.	Clinker formation	
MSPGCL	Bhusawal Unit 4	500	19/11/2021	05.25	21/11/2021	09.15	Flame Failure	
MSPGCL	Uran Unit 6	108	21/11/2021	00.13	21/11/2021	16.06	Filter Replacement.	
MSPGCL	Bhusawal Unit 3	210	21/11/2021	11.06		Continued.	Withdrawn due to Drum Pressure Sensing line leakage attending work.	
MSPGCL	Uran Unit 6	108	21/11/2021	18.45		Continued.	Gas shortage	
TPC-G	Trombay 7B	60	22/11/2021	22.52		Continued.	Gas shortage	
TPC-G	Trombay 7A	120	22/11/2021	22.58		Continued.	Gas shortage	

**State Load Despatch Center,Airoli (MSETCL)**  
**Details of Line outages/Trippings for 21/Nov/2021**

**Statement-VII**

Position as on 6.30 Hrs of 22/Nov/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
<b>500 KV LINE Outages/Trippings</b>							
HVDC Pole-I	IntraState	21/11/2021	18.25	21/11/2021	22.01	HT	Emergency Sparking at Padghe end in AC CKT Isolator.
Chandrapur - Padghe Hvdc Pole 2	IntraState	22/11/2021	16.33		Continued.	PO	Annual Maintenance Work Of HVDC Pole 2 equipment & line.
<b>400 KV LINE Outages/Trippings</b>							
Karad Solapur (PG)	InterState	03/05/2017	11:49		Continued.	PO	Line Converted As 220 Kv Solapur (PG)- Jeur From LOC 403
Koradi Bhilai	InterState	13/11/2021	09.49		Continued.	PO	Work At Bhilai end.
Pune(GIS)-A'bad(Waluj) Ckt 1	IntraState	15/11/2021	10.18		Continued.	HT	To control Mumbai line loading.
Karad - Jaigad - II	IntraState	20/11/2021	22.00	21/11/2021	10.51	HT	Over Voltage
Jejuri- Koynastage-IV	IntraState	20/11/2021	23.00	21/11/2021	07.47	T	Distance Protection
Kalwa - Talegaon(PG)	IntraState	21/11/2021	09.50	21/11/2021	16.02	EO	To extend the CT secondary & to operationalize the LTS scheme on priority in view of Contingency situation due to outage on HVDC Pole-2.
Padghe(HVDC)- Padghe(HVAC)-I	IntraState	21/11/2021	18.25	21/11/2021	21.58	HT	Emergency Sparking at Padghe end in AC CKT Isolator.
Warora -IEPL	IntraState	21/11/2021	19.17	21/11/2021	22.22	T	Tripped due to Protection Allow.
Jejuri- Koynastage-IV	IntraState	22/11/2021	22.50		Continued.	HT	Attending Hot Spot
<b>400 KV ICT Outages/Trippings</b>							
400/220kv 315 MVA ICT I @ KOLHAPUR-III (TALANDGE)	IntraState	22/11/2021	09.03	22/11/2021	15.42	PO	Quarterly Maintenance Work
400/220/33 Kv 500 MVA ICT-I @Lonikand 2	IntraState	22/11/2021	21.04	22/11/2021	22.34	EO	Attending Hot Spot
<b>220 KV LINE Outages/Trippings</b>							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule(Charge from Mudshingi end only)
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule(Close at Chikodi end only)
EKLAHARE (OCR) Nasik - Navsari I	InterState	22/11/2021	09.54	22/11/2021	16.06	PO	Annual Maintenance Work
REL Borivali Aarey Line	IntraState	18/11/2021	09.20		Continued.	PO	Under MMRC Line Diversion scheme for Metro-3 project 220kV Outdoor termination of 220kV AEML Aarey and overhead connection at MMRC pylon yard.
Sawantwadi-Bidri	IntraState	20/11/2021	22.12	21/11/2021	09.10	HT	Over Voltage
Pophali - Pedambe II	IntraState	21/11/2021	07.15	21/11/2021	20.51	HT	main bus-2 outage at pedambe.
Pedambe-Pophali	IntraState	21/11/2021	07.15	21/11/2021	20.50	HT	main bus-2 outage at pedambe.
Pedhambe - Oni	IntraState	21/11/2021	07.23	21/11/2021	20.25	HT	main bus-2 outage at pedambe.
Pedambe-Nerle	IntraState	21/11/2021	07.25	21/11/2021	20.40	HT	main bus-2 outage at pedambe.
Adlabs - Pedambe	IntraState	21/11/2021	07.33	21/11/2021	20.20	HT	main bus-2 outage at pedambe.
Main bus section-II @ Pedambe	IntraState	21/11/2021	07.40	21/11/2021	20.40	HT	main bus-2 outage at pedambe.
Kandalgaon - Pirangut	IntraState	21/11/2021	10.41	21/11/2021	18.38	EO	Emergency restringing of conductor between loc:- 49-50, Loc 90-96 & Loc 101-102.
Boisar II - Boisar PG I	IntraState	21/11/2021	16.47	21/11/2021	20.26	EO	Pressing of T- clamp to TOP phase of 220kv Dead LINE at loc. No. 17.Attending red hot spot of R-PH conductor at PGCIL Gantry. Fixing of repair sleeve to R-PH damaged conductor.
Sawantwadi-Bidri	IntraState	21/11/2021	22.08		Continued.	HT	Over Voltage
Wadkhal(GIS)-JSW Cement	IntraState	22/11/2021	08.25	22/11/2021	10.08	PO	For relay testing work.
Kandalgaon - ONGC Panvel	IntraState	22/11/2021	10.28	22/11/2021	18.35	PO	For replacement of existing earth

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage

**State Load Despatch Center,Airoli (MSETCL)**  
**Details of Line outages/Trippings for 21/Nov/2021**

**Statement-VII**

Position as on 6.30 Hrs of 22/Nov/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							wire by new OPGW from loc no.603 to 640.
Dhule - Dondaicha Ckt	IntraState	22/11/2021	10.45	22/11/2021	18.10	PO	Replacement of flashover Disc Insulator string.
Walchandnagar-Bhigwan	IntraState	22/11/2021	11.00	22/11/2021	14.02	PO	Replacement of flashover string at loc no. 64.
Eklahara(Gcr)(Nasik)- Bableshtar 2	IntraState	22/11/2021	11.48	22/11/2021	12.37	T	Distance Protection
EKLAHRE (GCR)Nashik-Airoli Knowledge Park	IntraState	22/11/2021	11.56	22/11/2021	12.39	HT	H/T only from Nasik end. To control line loading pf BBLR-1 ckt.
Sadawaghapur Karad Ckt 2	IntraState	22/11/2021	12.20	22/11/2021	14.27	EO	trip circuit faulty indication persist. Need to check trip circuit.
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	22/11/2021	12.40	22/11/2021	13.24	T	Distance Protection
Salsette - Saki 7	IntraState	22/11/2021	16.55	22/11/2021	18.54	T	Distance Protection
<b>220 KV ICT Outages/Trippings</b>							
Dharavi : 220 / 110 / 33 250 MVA ICT 9	IntraState	21/11/2021	11.46	21/11/2021	14.02	EO	Attending Hot Spot
220/132-110/11kv 200MVA ICT 1 @Miraj	IntraState	22/11/2021	09.36	22/11/2021	15.22	PO	Tan delta measurement of HV & LV bushing. winding & CT Etc.
220/132 Kv 200 MVA ICT-I @Malegaon	IntraState	22/11/2021	11.48	22/11/2021	11.48	T	Only H.V side tripped with out indication.

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage