

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 31/Dec/2021 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	134.101	4225.481	1) Gujrat	-8.256	-237.498
2) Hydro	8.740	242.898	2) Madhya Pradesh	3.956	56.429
3) Gas	5.670	150.801	3) Chattisgarh	6.230	181.730
Total MSPGCL	148.511	4619.180	4) Maharashtra	120.497	4218.315
B) 1) APLM	63.851	1938.709	5) Goa (Amona)	-1.729	-49.940
2) JSWEL	13.419	415.942	Total	120.698	4169.036
3) VIPL	0.000	0.000	a) Mumbai Schedule	15.166	741.437
4) RPL(AMT)	26.113	812.601	b) Mumbai Drawl	23.398	805.160
5) SWPGPL	5.792	227.396	c) MSEDCL Bilateral *	26.232	1521.361
6) Other IPP	39.204	1173.944	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	15.166	741.437
C) 1) TPCL Thermal	7.576	237.733	Include PX	0.000	3.902
2) TPCL Hydro	4.852	137.986	Standby	0.000	0.000
3) TPCL Gas	3.001	91.679	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.912	297.284	1) MSEDCL	406.000	12682.747
D) STATE			2) Mumbai Discoms	48.739	1569.836
1) Thermal	299.968	9329.090	3) Other Discoms	9.917	309.506
(A1+C1+C4+(B1-B6))			TOTAL STATE	464.656	14562.089
2) Hydro	13.592	380.884			
(A2+C2)					
3) Gas	8.671	242.480			
(A3+B7+C3)					
4) Wind	16.095	255.182			
6) SOLAR	5.632	185.423			
TOTAL STATE	343.958	10393.059			

* 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	6822	5931	5925	4625
MSPGCL Hydro	690	745	311	296
MSPGCL Gas	248	233	235	252
MSPGCL Total Generation	7760	6909	6471	5173
Central Sector Receipt	6241	5961	5233	4001
WIND	504	279	407	709
CPP / IPP Thermal	7007	6572	6661	5053
CPP / IPP Gas	0	0	0	0
SOLAR	657	914	0	0
Exchange with Mumbai	-1178	-1199	-1122	-902
MSEDCL DEMAND MET	18195	16697	14549	11370
Load Shedding	0	0	0	0
MSEDCL DEMAND	18195	16697	14549	11370
TPCL GENERATION	816	818	812	531
AEML GENERATION	499	502	479	358
MUMBAI DEMAND	2493	2519	2413	1791
OTHER DISCOM DEMAND	349	342	388	333
STATE DEMAND MET	23484	21955	20063	15825
STATE DEMAND	23484	21955	20063	15825
Frequency (Hz)	49.98	49.85	50.01	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.24 Hz at 14.05 Hrs	49.62 Hz at 11.54 Hrs	49.98	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 31/Dec/2021

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.18	108.95	170	120
Unit 7	0.00	0.00	0	0
Unit 8	12.22	353.27	605	358
Unit 9	0.00	237.40	0	0
Unit 10	11.52	400.26	557	375
Total	26.92	1099.89		
Bhusawal				
Unit 3	3.12	72.50	170	120
Unit 4	6.77	266.85	450	0
Unit 5	7.99	270.55	465	280
Total	17.88	609.90		
Parli				
Unit 6	4.02	74.02	200	157
Unit 7	3.88	55.71	212	148
Unit 8	3.86	107.47	196	147
Total	11.76	237.20		
Chandrapur				
Unit 3	3.15	78.32	160	103
Unit 4	3.15	98.89	153	120
Unit 5	5.66	185.94	365	0
Unit 6	7.49	245.42	350	268
Unit 7	7.46	237.19	355	276
Unit 8	9.44	237.33	460	280
Unit 9	9.43	290.27	460	280
Total	45.79	1373.36		
Paras				
Unit 3	3.95	133.36	247	137
Unit 4	4.06	135.01	251	139
Total	8.01	268.37		
Khaparkheda				
Unit 1	2.78	35.10	135	100
Unit 2	0.00	25.46	0	0
Unit 3	3.37	49.75	165	123
Unit 4	2.58	32.34	165	0
Unit 5	8.94	295.56	440	277
Total	17.67	438.20		
Nasik				
Unit 3	0.00	53.64	0	0
Unit 4	3.04	44.19	167	118
Unit 5	3.02	100.73	175	116
Total	6.06	198.57		
Uran				
All Units	5.67	150.80	255	183
Total	5.67	150.80		
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)	0.58	9.03	40	20
Total	0.58	9.03		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	2.06	68.65	340	35
Stage 4	0.00	25.99	0	0
Stage 3	0.46	21.59	160	0
Total	2.52	116.23		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.06	0	0
TILLARI	0.52	10.94	58	0
BHIRA T.R.	0.36	8.19	40	0
SMLHY_PTN	5.34	107.48	233	207
GHATGHAR	0.00	0.00	0	0
Total	6.22	126.67		
Wind				
Total	16.10	255.18	0	0
Total	16.10	255.18		
CPP				
APML(Mus)	63.85	1938.71	0	0
JSWEL(Mus)	13.42	415.94	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	26.11	812.60	0	0
SWPGPL-Mus	5.79	227.40	0	0
Other(Mus)	39.20	1173.94	0	0
Total	148.38	4568.59		
SOLAR				
Total	5.63	185.42	0	0
Total	5.63	185.42		
Tata				
Trombay 5	7.32	215.68	462	254
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.72	54.12	95	61
Trombay 7B	1.28	37.55	61	50
Trombay 8	0.25	22.05	129	0
TATA Hydro	4.85	137.99	419	0
Total	15.43	467.40		
AEML				
DTPS U-1&2	9.91	297.28	502	306
Total	9.91	297.28		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	134.10	4225.48	MSPGCL Total	148.51	4619.18
			MSPGCL Thml+Gas	139.77	4376.28	Koyna 1,2 & 4 Total	2.06	94.64
			MSPGCL Hydro	8.74	242.90	State Total	343.96	10393.06

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 31/Dec/2021

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	5381	242	237	5860	1210	5116	0	0	4514	3308	-763	14426	0	14426	1614	305	16345	50.07
2	4776	247	248	5271	1303	5101	0	0	3826	3798	-682	14515	0	14515	1511	276	16302	50.02
3	4749	264	238	5251	1258	5280	0	0	3584	3728	-636	14619	0	14619	1440	262	16321	50.02
4	4545	268	255	5068	1179	5053	0	0	4080	4393	-612	14814	0	14814	1403	267	16484	49.98
5	4667	303	243	5213	1092	5102	0	0	4728	4948	-679	15393	0	15393	1407	283	17083	49.91
6	5228	274	252	5754	1047	5958	0	0	5179	4844	-779	16523	0	16523	1503	301	18327	49.98
7	5454	263	242	5959	1085	6708	0	5	5106	5126	-751	17813	0	17813	1612	319	19744	49.97
8	6129	337	243	6709	843	6985	0	66	5116	5137	-722	18662	0	18662	1787	356	20805	49.92
9	6594	403	250	7247	683	7021	0	228	5425	5452	-881	19376	0	19376	2055	374	21805	50.01
10	6591	662	237	7490	584	6987	0	427	6246	6442	-1044	20517	0	20517	2318	369	23204	49.95
11	6822	690	248	7760	504	7007	0	657	6526	6241	-1178	20642	0	20642	2493	349	23484	49.98
12	6718	530	232	7480	405	6960	0	862	6704	5878	-1233	20003	0	20003	2554	349	22906	49.91
13	5931	745	233	6909	279	6572	0	914	6240	5961	-1199	19094	0	19094	2519	342	21955	49.85
14	5751	428	237	6416	246	6646	0	855	6209	6146	-1143	18807	0	18807	2385	359	21551	50.05
15	5893	311	226	6430	151	6762	0	760	6324	6061	-1213	18604	0	18604	2352	347	21303	50.03
16	5866	321	230	6417	138	6878	0	558	6004	5595	-1183	18031	0	18031	2346	372	20749	50.00
17	5925	324	241	6490	153	6824	0	257	5553	5079	-1088	17339	0	17339	2348	376	20063	50.02
18	5665	345	233	6243	247	6475	0	43	5161	5293	-1091	16817	0	16817	2346	393	19556	50.04
19	5925	311	235	6471	407	6661	0	0	5072	5233	-1122	17262	0	17262	2413	388	20063	50.01
20	6295	313	247	6855	499	6861	0	0	4801	4087	-1155	16768	0	16768	2343	379	19490	50.02
21	5200	269	215	5684	654	5790	0	0	5158	4731	-1099	15384	0	15384	2207	376	17967	50.00
22	4666	324	183	5173	703	5316	0	0	5019	5010	-1179	14649	0	14649	2065	374	17088	49.96
23	4705	270	213	5188	716	5263	0	0	4641	4206	-1064	13938	0	13938	1927	371	16236	49.98
24	4625	296	252	5173	709	5053	0	0	4181	4001	-902	13701	0	13701	1791	333	15825	49.94
MUs	134.10	8.74	5.67	148.51	16.09	148.38	0.00	5.63	125.40	120.70	-23.40	407.70	0.00	407.70	48.74	8.22	464.66	49.98

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 31/Dec/2021

Position as on 6.30 Hrs of 01/Jan/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Koyna STG-IV Unit-4	250	22/11/2021	09:55		Continued.	Annual Overhaul	
TPC_G	Trombay 8	250	06/12/2021	00:00	31/12/2021	21:25	Annual Overhaul	02/01/2022
MSPGCL	Khaparkheda Unit 2	210	09/12/2021	01:49		Continued.	CHP coal feeding problem(Converted to Annual Overhaul 00:00Hrs Dt. 18.12.2021)	
MSPGCL	Koyna Unit 5	80	20/12/2021	08:40		Continued.	Annual Overhaul	
IPP	SWPGL U-2	135	25/12/2021	00:09		Continued.	Annual Overhaul	
FORCED OUTAGE								
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
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	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)	
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 Vabration high	
MSPGCL	Ghatghar Unit-1	125	10/11/2021	23:55		Continued.	Static frequency controller disconnecting switch short circuit problem	10/03/2022
MSPGCL	Ghatghar Unit-2	125	10/11/2021	23:55		Continued.	Static frequency controller disconnecting switch short circuit problem	10/03/2022
IPP	JSW (J) U2	300	19/11/2021	01:26		Continued.	No schedule.	
MSPGCL	Uran Unit 6	108	02/12/2021	07:45		Continued.	Gas shortage	
MSPGCL	Nasik Unit 3	210	27/12/2021	20:30		Continued.	Boiler Tube Leakage	
MSPGCL	Koradi Unit 9	660	27/12/2021	23:45		Continued.	Boiler Tube Leakage	
MSPGCL	Khaparkheda Unit 4	210	28/12/2021	10:00	31/12/2021	02:58	Boiler Tube Leakage	31/12/2021
MSPGCL	Chandrapur Unit 5	500	31/12/2021	03:03	31/12/2021	07:47	PA Fan problem	
MSPGCL	Bhusawal Unit 4	500	31/12/2021	20:17	31/12/2021	23:56	TRIPPED	
MSPGCL	Uran Unit 5	108	31/12/2021	20:58	31/12/2021	21:45	TRIPPED DUE TO JERK.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Dec/2021

Statement-VII

Position as on 6.30 Hrs of 01/Jan/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Trippings							
PADGHA - BOISAR (PG)	InterState	30/12/2021	10:03	31/12/2021	22:37	PO	1) Bay maintenance work 2) Diagnostic Testing work 3) MTAMC work 4) replacement of main line Jumper from CT to Gantry
TBC 2 @ CHANDRAPUR	IntraState	20/12/2021	08:58			PO	1) For replacement of 400KV old overaged PG Isolators (Bus-1 & Aux. Bus Isolators.) 2) Servicing and overhauling of 400KV BHEL make quadruple CB. 3) Measurement of Timing, DCRM and CRM of CB.
TBC @ KORADI-1	IntraState	24/12/2021	13:40			EO	"Heavy air leakage in ABB make 400 kV CB R pole observed and CB got lockout due to 0 bar air pressure in CB. To attend the heavy air leakage of ABB make 400 kV CB R pole emergency outage is required on 400 kV TBC Bay ."
CHANDRAPUR - KHAPERKHEDA	IntraState	30/12/2021	06:06	01/01/2022	17:44	PO	Restranging between loc.no. 8 & 16 for increasing ground clearance of conductor
JAIGAD - KARAD CKT - 1	IntraState	30/12/2021	20:47	31/12/2021	09:56	HT	over oltage
LONIKAND I - KOYNA STAGE-IV	IntraState	30/12/2021	21:07	31/12/2021	08:36	HT	ove voltage
BABHALESHWAR - PADGHE CKT-1	IntraState	31/12/2021	00:38	31/12/2021	15:14	T	Distance protection
CHANDRAPUR - KHAPERKHEDA	IntraState	31/12/2021	09:25	01/01/2022	18:52	PO	MTAMC relay retrofitting works
KHARGHAR - TALEGAON (PG)	IntraState	31/12/2021	15:56		Continued.	PO	Line will be in service through TBC..For replacement of quadruple conductor span between 400kV Talegaon & Kalwa line of 400kV B Bus.
KALWA - KHARGHAR	IntraState	31/12/2021	16:13		Continued.		1) Emergency outage proposal for OPGW stringing between loc no.180-179 at Mumbra Hill where earth wire is missing. 2) Stringing between loc no. 13-14 (Kharghar Tap line)
B - BUS @ KHARGHAR	IntraState	31/12/2021	16:41		Continued.	PO	For replacement of quadruple conductor span between 400kV Talegaon & Kalwa line of 400kV B Bus. Kharghar-Talegaon line required to be shifted on TBC during outage
JAIGAD - KARAD CKT - 2	IntraState	31/12/2021	21:10	01/01/2022	09:04	HT	TAKE IN SERVICE
PADGHE - NAGOTHANE CKT - 2	IntraState	31/12/2021	22:05	01/01/2022	09:00	HT	H/T FOR OVER VOLTAGE
JAIGAD - KARAD CKT - 1	IntraState	01/01/2022	20:04		Continued.	HT	H/T AT OVER VOLTAGE
LONIKAND I - KOYNA STAGE-IV	IntraState	01/01/2022	22:12		Continued.	HT	H/T For Over Voltage
220 KV LINE Outages/Trippings							

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Dec/2021

Statement-VII

Position as on 6.30 Hrs of 01/Jan/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
BORIVALI - BOISAR (PG)	IntraState	19/12/2021	09:18			PO	1) 220kV PGCIL (Boisar)- Borivali line tapping will be done to 220kV Kamba-Vasai line at loc no. 204. After that 220KV PGCIL-Vasai Line will be charged at 18:00 Hrs on 19.12.2021 & it will be in service till 30.01.2022 for 43 days. 2) This work is required for DFCCIL work of Temporary shifting of existing of 100kV D/C padgha -Vasai Line between loc no. 85-93 on existing line corridor of D/C 220kV PadghaNalasopara-Vasai Tap line and 220kV Kamba Vasai Line between location no 8 to 14.
WAGHIVALI - DHARAVI 7	IntraState	27/12/2021	08:16		Continued.	PO	NMIA work
WAGHIVALI - DHARAVI 7	IntraState	27/12/2021	08:16		Continued.	PO	FOR NMIA WORK
BABLESHWAR-BABLESHWAR(400KV)-I	IntraState	29/12/2021	23:32	01/01/2022	18:01	PO	29A, 29B isolator servicing and alignment and mechanism box replacement . Jump opening and reconnection for Main bus I and Main bus II by Hot line Unit,Nasik
PADGHE - PAL DOMBIVALI	IntraState	31/12/2021	08:50	31/12/2021	18:17	PO	Online stringing of OPGW cable on below line 1) 220kV Padgha-Pal Line
VITA - KHANAPUR LINE	IntraState	31/12/2021	09:06	31/12/2021	17:36	PO	1. Cold line washing work 2. Restraining of conductor Loc No.150-166 3. Conversion of SSN to DSN work at Loc No.121,122,172,173,174
MAHAPE - RELIANCE GIS	IntraState	31/12/2021	10:30	31/12/2021	13:42	PO	Dismantling of faulty Line differential relay Siemens 7SD5 (Sr No: BF1307521071) for sending the same to Siemens Goa Factory for urgent repairs to be done.
NAGAR BELWANDI CKT 2	IntraState	31/12/2021	11:27	31/12/2021	19:00	PO	For Integration of Bay into New SCADA System
VITA - KHANAPUR LINE	IntraState	01/01/2022	09:00	01/01/2022	16:41	PO	1. Cold line washing work 2. Restraining of conductor Loc No.150-166 3. Conversion of SSN to DSN work at Loc No.121,122,172,173,174
BABLESHWAR-BABLESHWAR(400KV)-I	IntraState	01/01/2022	18:01	01/01/2022	23:10	PO	29D and 29C isolator servicing and alignment
220 KV ICT Outages/Trippings							
220 / 110 / 22kV 250 MVA ICT 2 @ SALSETTE	IntraState	10/10/2020	07:39			PO	FOR CRP PANEL REPLACEMENT
220/132KV 100 MVA ICT NO 2 @ MAGARPATTA	IntraState	01/12/2021	14:32			PO	Replacement of existing 100 MVA ICT 02 by new 200 MVA ICT 02
220/22 KV 50 MVA PTR 1 @ KANDALGAON	IntraState	14/12/2021	16:55			EO	For dismantling said 50MVA T/f 1 at 220 kV K'gaon S/s
220/22 KV 50 MVA PTR 1 @ ANANDNAGAR	IntraState	31/12/2021	11:05	31/12/2021	16:10	PO	Diagnostics testing of PTR and R&M work
220/22 KV 50 MVA PTR 2 @ WADKHAL (GIS)	IntraState	31/12/2021	11:54	31/12/2021	16:17	PO	For replacement of Buchholz relay.
220/33KV 25MVA PTR 1 @ NEW KOYNA	IntraState	01/01/2022	19:40		Continued.	HT	heavy oil leakage is observed from the main tank of HV Y - Phase CT

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