

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 02/Jan/2022 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	139.952	276.426	1) Gujrat	-8.929	-19.161
2) Hydro	9.180	17.703	2) Madhya Pradesh	1.665	4.121
3) Gas	5.767	11.549	3) Chattisgarh	5.390	11.590
Total MSPGCL	154.899	305.678	4) Maharashtra	127.143	249.896
B) 1) APLM	67.318	131.779	5) Goa (Amona)	-1.184	-2.666
2) JSWEL	12.518	25.501	Total	124.085	243.780
3) VIPL	0.000	0.000	a) Mumbai Schedule	18.535	37.379
4) RPL(AMT)	26.000	51.049	b) Mumbai Drawl	20.765	42.070
5) SWPGPL	5.786	11.455	c) MSEDCL Bilateral *	53.615	103.835
6) Other IPP	39.732	79.177	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	18.535	37.379
C) 1) TPCL Thermal	9.395	19.301	Include PX	0.000	0.000
2) TPCL Hydro	2.021	5.266	Standby	0.000	0.000
3) TPCL Gas	2.808	5.158	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.547	17.958	1) MSEDCL	416.292	828.016
D) STATE			2) Mumbai Discoms	43.536	89.753
1) Thermal	309.248	612.646	3) Other Discoms	7.764	8.261
(A1+C1+C4+(B1-B6))			TOTAL STATE	467.592	896.408
2) Hydro	11.201	22.969			
(A2+C2)					
3) Gas	8.575	16.707			
(A3+B7+C3)					
4) Wind	9.207	19.130			
6) SOLAR	5.276	10.798			
TOTAL STATE	343.507	682.250			

* 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 2 Hrs
MSPGCL Thermal	6736	6536	5850	4904
MSPGCL Hydro	760	718	371	293
MSPGCL Gas	246	230	234	252
MSPGCL Total Generation	7742	7484	6455	5449
Central Sector Receipt	6468	6286	5265	4448
WIND	284	151	458	375
CPP / IPP Thermal	6934	6859	6864	5026
CPP / IPP Gas	0	0	0	0
SOLAR	761	798	0	0
Exchange with Mumbai	-956	-1143	-860	-734
MSEDCL DEMAND MET	20906	20110	17833	14289
Load Shedding	0	0	0	0
MSEDCL DEMAND	20906	20110	17833	14289
TPCL GENERATION	689	582	730	494
AEML GENERATION	363	326	455	332
MUMBAI DEMAND	2008	2051	2045	1560
OTHER DISCOM DEMAND	327	325	349	275
STATE DEMAND MET	23241	22486	20227	16124
STATE DEMAND	23241	22486	20227	16124
Frequency (Hz)	49.97	50.01	50.00	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.21 Hz at 23:59 Hrs	49.78 Hz at 10:09 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 02/Jan/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.42	6.49	175	120
Unit 7	0.00	0.00	0	0
Unit 8	12.54	25.02	602	375
Unit 9	0.00	0.00	0	0
Unit 10	9.55	21.64	564	0
Total	25.51	53.14		
Bhusawal				
Unit 3	3.21	6.20	170	120
Unit 4	8.87	16.57	480	280
Unit 5	8.90	16.56	470	280
Total	20.98	39.33		
Parli				
Unit 6	4.00	7.88	204	153
Unit 7	3.86	7.57	194	148
Unit 8	3.89	7.71	180	148
Total	11.76	23.16		
Chandrapur				
Unit 3	3.34	6.69	171	123
Unit 4	3.34	6.44	165	118
Unit 5	7.93	15.64	360	290
Unit 6	8.66	16.66	430	278
Unit 7	7.81	14.88	362	290
Unit 8	9.75	19.14	465	280
Unit 9	9.37	18.52	444	279
Total	50.21	97.95		
Paras				
Unit 3	4.26	8.07	248	136
Unit 4	4.13	7.90	232	140
Total	8.39	15.97		
Khaparkheda				
Unit 1	2.34	5.01	125	0
Unit 2	0.00	0.00	0	0
Unit 3	3.07	6.30	145	120
Unit 4	3.15	6.25	145	123
Unit 5	8.28	17.19	400	285
Total	16.83	34.75		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.20	6.16	185	115
Unit 5	3.07	5.96	184	33
Total	6.28	12.12		
Uran				
All Units	5.77	11.55	253	226
Total	5.77	11.55		
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)	0.62	1.24	31	22
Total	0.62	1.24		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	2.54	4.11	380	35
Stage 4	0.00	0.13	0	0
Stage 3	0.55	0.93	80	0
Total	3.09	5.18		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.52	1.04	58	0
BHIRA T.R.	0.20	0.52	40	0
SMLHY_PTN	5.37	10.96	226	218
GHATGHAR	0.00	0.00	0	0
Total	6.09	12.53		
Wind				
Total	9.21	19.13	0	0
Total	9.21	19.13		
CPP				
APML(Mus)	67.32	131.78	0	0
JSWEL(Mus)	12.52	25.50	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	26.00	51.05	0	0
SWPGPL-Mus	5.79	11.46	0	0
Other(Mus)	39.73	79.18	0	0
Total	151.35	298.96		
SOLAR				
Total	5.28	10.80	0	0
Total	5.28	10.80		
Tata				
Trombay 5	6.11	12.56	258	253
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.59	2.88	93	49
Trombay 7B	1.22	2.28	60	42
Trombay 8	3.28	6.74	152	129
TATA Hydro	2.02	5.27	204	20
Total	14.22	29.72		
AEMIL				
DTPS U-1&2	8.55	17.96	455	314
Total	8.55	17.96		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	139.95	276.43	MSPGCL Total	154.90	305.68
			MSPGCL Thml+Gas	145.72	287.98	Koyna 1,2 & 4 Total	2.54	4.24
			MSPGCL Hydro	9.18	17.70	State Total	343.51	682.25

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/Jan/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	4930	264	238	5432	456	5306	0	0	4619	4437	-823	14508	0	14508	1662	300	16470	50.05
2	4904	293	252	5449	375	5026	0	0	4713	4448	-734	14289	0	14289	1560	275	16124	50.00
3	4995	379	243	5617	362	5135	0	0	4448	4537	-663	14725	0	14725	1489	263	16477	49.95
4	5143	265	253	5661	362	5415	0	0	4695	4333	-619	14874	0	14874	1456	278	16608	49.98
5	5382	273	243	5898	388	5532	0	0	4677	4507	-609	15432	0	15432	1456	284	17172	49.99
6	5747	262	251	6260	508	6123	0	0	4835	4489	-655	16427	0	16427	1515	298	18240	50.03
7	6063	263	241	6567	471	6799	0	1	4618	4344	-618	17242	0	17242	1574	322	19138	50.05
8	6416	259	240	6915	597	6984	0	66	4646	4390	-591	18027	0	18027	1635	334	19996	50.01
9	6605	329	249	7183	372	7036	0	282	4938	4854	-708	18675	0	18675	1757	344	20776	50.02
10	6646	472	237	7355	351	6960	0	546	5724	6060	-805	20139	0	20139	1894	328	22361	49.98
11	6736	760	246	7742	284	6934	0	761	6302	6468	-956	20906	0	20906	2008	327	23241	49.97
12	6684	743	233	7660	211	6894	0	911	6487	6548	-1086	20799	0	20799	2056	339	23194	50.01
13	6536	718	230	7484	151	6859	0	798	6245	6286	-1143	20110	0	20110	2051	325	22486	50.01
14	6338	539	238	7115	120	6785	0	701	6404	6522	-1116	19810	0	19810	1983	317	22110	50.03
15	6619	404	226	7249	133	6844	0	564	6418	6277	-1063	19675	0	19675	1921	329	21925	50.02
16	6822	408	229	7459	119	6895	0	400	6139	5846	-1019	19359	0	19359	1876	341	21576	49.98
17	6763	335	232	7330	183	6908	0	199	5689	5151	-898	18525	0	18525	1875	348	20748	50.01
18	6077	334	243	6654	232	6832	0	47	5361	4777	-783	17405	0	17405	1903	354	19662	50.00
19	5850	371	234	6455	458	6864	0	0	5313	5265	-860	17833	0	17833	2045	349	20227	50.00
20	5889	271	247	6407	539	6836	0	0	5128	4416	-916	16934	0	16934	2088	348	19370	50.01
21	4917	259	236	5412	621	6157	0	0	5223	5350	-1028	16147	0	16147	2059	365	18571	50.03
22	4755	420	248	5423	678	5601	0	0	5065	4973	-1079	15249	0	15249	1989	347	17585	50.01
23	4697	294	238	5229	608	5348	0	0	4951	4824	-1024	14655	0	14655	1892	330	16877	50.02
24	4438	265	240	4943	628	5281	0	0	4915	4983	-969	14543	0	14543	1792	323	16658	50.05
MUs	139.95	9.18	5.77	154.90	9.21	151.35	0.00	5.28	127.55	124.08	-20.77	416.29	0.00	416.29	43.54	7.76	467.59	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.

State Load Despatch Center,Airoli (MSETCL) Statement-VI

Details of Generating Unit Outages/Trippings for 02/Jan/2022

Position as on 6.30 Hrs of 03/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	
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 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)	
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	03/01/2022	05:05	Boiler Tube Leakage	
MSPGCL	Koradi Unit 9	660	27/12/2021	23:45	03/01/2022	09:13	Boiler Tube Leakage	
MSPGCL	Khaparkheda Unit 1	210	02/01/2022	17:20	02/01/2022	20:47	electrical fault	
MSPGCL	Koradi Unit-10	660	02/01/2022	18:28	03/01/2022	04:10	11 KV UNIT SWITCH GEAR 1 EARTH FAULT	
MSPGCL	Nasik Unit 5	210	02/01/2022	23:25		Continued.	Boiler Validity Renevoation	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jan/2022

Statement-VII

Position as on 6.30 Hrs of 03/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							
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	08/12/2021	10:46			HT	H/T TO CONTROL MUMBAI LINE LOADING
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.
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	21/12/2021	12:35			HT	HAND TRIPPED TO CONTROL LINE LOADING OF 400KV TALEGAON-KALWA AND 400KV TALEGAON - KHARGHAR CKT
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			PO	Restranging between loc.no. 8 & 16 for increasing ground clearance of conductor
KHARGHAR - TALEGAON (PG)	IntraState	31/12/2021	15:56	02/01/2022	22:40	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				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	02/01/2022	22:04	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
THAPTI TANDA - WALUJ	IntraState	01/01/2022	07:22			T	TRIPPED ON DIST.PRTN
JAIGAD - KARAD CKT - 1	IntraState	01/01/2022	20:04	02/01/2022	10:00	HT	H/T AT OVER VOLTAGE
LONIKAND I - KOYNA STAGE-IV	IntraState	01/01/2022	22:12	02/01/2022	09:10	HT	H/T For Over Voltage
JAIGAD - KARAD CKT - 2	IntraState	02/01/2022	21:39			HT	over voltage
KHADKA-AURANGABAD	IntraState	02/01/2022	21:46			HT	over voltage
LONIKAND I - KOYNA STAGE-IV	IntraState	02/01/2022	21:47			HT	over voltage
220 KV LINE Outages/Trippings							

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jan/2022

Statement-VII

Position as on 6.30 Hrs of 03/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.
LOTEPARSHURAM- DASTURI LINE	IntraState	25/12/2021	16:00			PO	For C & Tan delta testing of Line CTs at 220kV Dasturi S/s.
NEW KOYNA - POPHALI	IntraState	26/12/2021		26/12/2021		PO	For diagnostic testing, relay testing and routine maintenance work
WAGHIVALI - DHARAVI 7	IntraState	27/12/2021	08:16			PO	FOR NMIA WORK
WAGHIVALI - DHARAVI 8	IntraState	02/01/2022	07:44	02/01/2022	18:35	PO	FOR NMIA WORK
BHIRA - KARANJADE 7	IntraState	02/01/2022	07:59	02/01/2022	18:28	PO	CLOSER INSPECTION
BHIRA - KARANJADE 8	IntraState	02/01/2022	08:32	02/01/2022	18:28		CLOSER INSPECTION
ONI KHAREPATAN LINE	IntraState	02/01/2022	15:40	03/01/2022	00:13	T	DISTANCE PROTECTION OPTD
KAMBA - VASAI	IntraState	02/01/2022	23:05	02/01/2022	23:29	EO	1) For reversing polarity of ABT meter by Testing Team Kalwa of 220KV PGCIL-Vasai Line (220KV Kamba-Vasai Line is Temporarily converted to 220KV PGCIL-Vasai Line for ORC work). 2) The ABT data is important as it is uploaded in DSM and due to this improper energy data will be updated in DSM.
PADGHE - TEMGHAR - 2	IntraState	02/01/2022	23:25			HT	conductor replacement work
TEMGHAR - KALWA	IntraState	02/01/2022	23:28	03/01/2022	00:08	HT	bus couplar crossing at temghar
BOISAR II - BOISAR (PG) CKT - 3	IntraState	02/01/2022	23:43			EO	1) For replacement of R-phase 800-400/1A CT by 1600-800/1A CT. 2) On 12.12.2021, R-phase 1600-800/1A CT of 220KV Boisar-II- PGCIL Line no.3 got damaged due to falling of Wave Trap on the R-phase CT during the Bay strengthening work at 220KV Boisar-II ss and same was replaced by 800-400/1A CT in emergency. 3) Due to this, there is constraint in loading capacity of the line which is having Twin Conductor. 4) Therefore, it is necessary to upgrade the R-phase CT to 1600-800/1A along with its jumper to avoid any untoward incidence/ cascading tripping on PGCIL lines at 220KV Boisar-II S/stn due to overloading.
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

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jan/2022

Statement-VII

Position as on 6.30 Hrs of 03/Jan/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/22 KV 50 MVA PTR 1 @ KANDALGAON	IntraState	14/12/2021	16:55			EO	For dismantailing said 50MVA T/f 1 at 220 kV K'gaon S/s
220/33KV 25MVA PTR 1	IntraState	01/01/2022	19:40			HT	heavy oil leakage is observed from the main tank of HV Y - Phase CT
220/22 KV 50 MVA PTR 1 @ VASAI	IntraState	02/01/2022	09:19	02/01/2022	17:18	PO	1) New 22kV GIS Outgoing Feeder panel commissioning work by Agency. 2) Diagnostic testing of PTR-1.

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