

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 05/Dec/2021 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	126.330	643.706	1) Gujrat	-8.036	-35.516
2) Hydro	5.820	37.490	2) Madhya Pradesh	4.228	26.558
3) Gas	3.487	20.473	3) Chattisgarh	5.920	27.110
Total MSPGCL	135.637	701.669	4) Maharashtra	128.840	624.009
B) 1) APLM	52.826	259.482	5) Goa (Amona)	-1.246	-8.521
2) JSWEL	14.452	71.350	Total	129.706	633.640
3) VIPL	0.000	0.000	a) Mumbai Schedule	20.585	112.571
4) RPL(AMT)	26.665	113.941	b) Mumbai Drawl	20.754	118.716
5) SWPGPL	6.598	34.121	c) MSEDCL Bilateral *	54.427	158.808
6) Other IPP	30.106	159.498	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	20.585	112.571
C) 1) TPCL Thermal	10.613	56.021	Include PX	0.000	1.590
2) TPCL Hydro	1.545	19.261	Standby	0.000	0.000
3) TPCL Gas	4.353	13.256	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.066	48.535	1) MSEDCL	373.541	1872.630
D) STATE			2) Mumbai Discoms	47.331	255.786
1) Thermal	277.656	1386.654	3) Other Discoms	9.700	48.291
(A1+C1+C4+(B1-B6))			TOTAL STATE	430.572	2176.707
2) Hydro (A2+C2)	7.365	56.751			
3) Gas (A3+B7+C3)	7.840	33.729			
4) Wind	2.018	43.967			
6) SOLAR	5.987	21.969			
TOTAL STATE	300.866	1543.070			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	5783	5005	5895	4841
MSPGCL Hydro	206	248	394	199
MSPGCL Gas	145	142	152	147
MSPGCL Total Generation	6134	5395	6441	5187
Central Sector Receipt	6212	6321	5684	4749
WIND	72	47	76	76
CPP / IPP Thermal	6049	5247	5789	4860
CPP / IPP Gas	0	0	0	0
SOLAR	625	946	0	0
Exchange with Mumbai	-935	-1058	-738	-779
MSEDCL DEMAND MET	6201	5013	4826	3855
Load Shedding	0	0	0	0
MSEDCL DEMAND	6201	5013	4826	3855
TPCL GENERATION	628	659	1012	599
AEML GENERATION	502	501	435	387
MUMBAI DEMAND	2065	2218	2185	1765
OTHER DISCOM DEMAND	352	350	365	301
STATE DEMAND MET	20222	19116	19437	15858
STATE DEMAND	20222	19116	19437	15858
Frequency (Hz)	49.95	49.96	50.02	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.19 Hz at 06.17 Hrs	49.73 Hz at 09.08 Hrs	49.99	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/Dec/2021

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.46	17.34	190	115
Unit 7	0.00	0.00	0	0
Unit 8	14.74	68.44	652	574
Unit 9	5.90	5.90	586	0
Unit 10	14.02	66.68	605	500
Total	38.12	158.37		
Bhusawal				
Unit 3	0.00	6.30	0	0
Unit 4	8.52	43.30	455	280
Unit 5	8.78	43.08	500	275
Total	17.29	92.69		
Parli				
Unit 6	0.00	3.90	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	4.43	0	0
Total	0.00	8.32		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	3.58	8.62	165	122
Unit 5	0.00	27.50	0	0
Unit 6	3.31	34.32	380	33
Unit 7	8.52	40.12	395	300
Unit 8	9.63	46.66	419	383
Unit 9	9.73	47.87	452	365
Total	34.77	205.09		
Paras				
Unit 3	4.18	20.26	235	125
Unit 4	4.01	20.23	232	127
Total	8.19	40.49		
Khaparkheda				
Unit 1	3.18	15.95	155	115
Unit 2	3.14	15.90	160	115
Unit 3	3.45	16.83	179	122
Unit 4	2.35	11.85	153	0
Unit 5	9.51	47.30	465	300
Total	21.63	107.82		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.06	15.10	148	113
Unit 5	3.28	15.83	185	115
Total	6.34	30.93		
Uran				
All Units	3.49	20.47	158	130
Total	3.49	20.47		
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)	0.05	0.31	17	0
Total	0.05	0.31		
Koyana				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	1.60	10.84	160	40
Stage 4	0.00	3.68	0	0
Stage 3	0.18	3.39	80	0
Total	1.78	17.90		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.20	1.28	80	0
SMLHY_PTN	3.84	18.30	166	152
GHATGHAR	0.00	0.00	0	0
Total	4.04	19.58		
Wind				
Total	2.02	43.97	0	0
Total	2.02	43.97		
CPP				
APML(Mus)	52.83	259.48	0	0
JSWEL(Mus)	14.45	71.35	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	26.66	113.94	0	0
SWPGPL-Mus	6.60	34.12	0	0
Other(Mus)	30.11	159.50	0	0
Total	130.65	638.39		
SOLAR				
Total	5.99	21.97	0	0
Total	5.99	21.97		
Tata				
Trombay 5	6.86	34.22	463	254
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.75	8.13	117	113
Trombay 7B	1.60	5.12	68	66
Trombay 8	3.75	21.80	221	101
TATA Hydro	1.54	19.26	235	0
Total	16.51	88.54		
AEMIL				
DTPS U-1&2	10.07	48.54	502	328
Total	10.07	48.54		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	126.33	643.71	MSPGCL Total	135.64	701.67
			MSPGCL Thml+Gas	129.82	664.18	Koyna 1,2 & 4 Total	1.60	14.52
			MSPGCL Hydro	5.82	37.49	State Total	300.87	1543.07

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/Dec/2021

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	4690	204	146	5040	62	4828	0	0	5040	5313	-897	14031	0	14031	1881	315	16227	49.99
2	4841	199	147	5187	76	4860	0	0	4967	4749	-779	13792	0	13792	1765	301	15858	50.00
3	4855	209	158	5222	108	4968	0	0	4843	4600	-704	13931	0	13931	1682	263	15876	50.02
4	4774	208	146	5128	111	5202	0	0	4802	4683	-679	14177	0	14177	1620	268	16065	50.01
5	4909	204	147	5260	125	5331	0	0	4784	4711	-662	14486	0	14486	1610	279	16375	49.94
6	5355	236	147	5738	124	5504	0	0	5010	5144	-716	15492	0	15492	1665	302	17459	49.98
7	5537	216	156	5909	134	5913	0	3	5330	5212	-757	16094	0	16094	1709	320	18123	50.02
8	5666	316	146	6128	135	6059	0	85	5600	5626	-747	16952	0	16952	1785	334	19071	49.92
9	5738	234	146	6118	79	6055	0	374	5977	5778	-784	17278	0	17278	1918	342	19538	49.93
10	5783	206	145	6134	72	6049	0	625	6357	6212	-935	17805	0	17805	2065	352	20222	49.95
11	5498	274	143	5915	48	5918	0	806	6370	6266	-1014	17589	0	17589	2182	350	20121	50.01
12	5401	277	141	5819	39	5733	0	961	6373	6291	-1067	17413	0	17413	2240	363	20016	49.99
13	5005	248	142	5395	47	5247	0	946	6345	6321	-1058	16548	0	16548	2218	350	19116	49.96
14	4757	207	140	5104	65	4864	0	896	6427	6341	-991	15938	0	15938	2138	341	18417	50.00
15	4986	207	141	5334	86	4876	0	662	6271	6376	-953	16034	0	16034	2085	347	18466	49.97
16	5342	209	151	5702	91	5159	0	420	5932	5887	-930	15956	0	15956	2068	373	18397	50.01
17	5748	209	140	6097	69	5540	0	183	5289	4934	-643	15824	0	15824	2045	356	18225	50.03
18	5505	219	130	5854	91	5519	0	25	5108	5030	-514	15648	0	15648	2051	357	18056	50.03
19	5895	394	152	6441	76	5789	0	0	5186	5684	-738	16887	0	16887	2185	365	19437	50.02
20	6026	294	144	6464	89	6161	0	0	5012	4882	-1019	16204	0	16204	2195	373	18772	50.01
21	5314	330	143	5787	71	5560	0	0	5055	5279	-1029	15315	0	15315	2162	353	17830	49.91
22	5112	304	145	5561	87	5296	0	0	5031	4860	-1078	14383	0	14383	2109	343	16835	50.00
23	4834	206	146	5186	66	5221	0	0	4997	4753	-1064	13819	0	13819	2021	343	16183	49.99
24	4759	210	145	5114	67	4995	0	0	4904	4774	-996	13628	0	13628	1932	326	15886	50.01
MUs	126.33	5.82	3.49	135.64	2.02	130.65	0.00	5.99	131.01	129.71	-20.75	375.22	0.00	375.22	47.33	8.02	430.57	49.99

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 05/Dec/2021

Position as on 6.30 Hrs of 06/Dec/2021

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
IPP	Adani U-4	660	10/11/2021	23.58		Continued.	Capital Overhauling	10/12/2021
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		Continued.	Annual Overhaul	02/01/2022
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)	
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 Vabration high	
MSPGCL	Uran Unit 5	108	07/11/2021	23.28		Continued.	Turbine problem.	
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	Chandrapur Unit 3	210	23/11/2021	12:02	06/12/2021	15:49	ID Fan Problem	
MSPGCL	Parli Unit 7	250	28/11/2021	23.57		Continued.	Zero Schedule.	
MSPGCL	Parli Unit 6	250	02/12/2021	00:00		Continued.	ZERO SCHEDULE	
MSPGCL	Parli Unit 8	250	02/12/2021	04:00		Continued.	ZERO SCHEDULE	07/12/2021
MSPGCL	Uran Unit 6	108	02/12/2021	07:45		Continued.	Gas shortage	
MSPGCL	Bhusawal Unit 3	210	02/12/2021	23:25		Continued.	Boiler Tube Leakage	
CPP	SWPGL U-3	135	03/12/2021	18:37	05/12/2021	08:45	PA Fan problem	
MSPGCL	Chandrapur Unit 5	500	04/12/2021	12:41	06/12/2021	04:57	fd47 heavy gland leakage	
MSPGCL	Chandrapur Unit 6	500	05/12/2021	10:08		Continued.	Boiler Tube Leakage	
MSPGCL	Khaparkheda Unit 4	210	05/12/2021	20:46	06/12/2021	04:18	Furnace Pressure High	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Tripping for 05/Dec/2021

Statement-VII

Position as on 6.30 Hrs of 06/Dec/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Tripping							
LONIKAND I - TALEGAON (PGCIL)	InterState	06/12/2021	10:19	06/12/2021	16:16	PO	For AMP and Relay testing
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	01/12/2021	09:04	05/12/2021	17:38	HT	OVER VOLTAGE
JAIGAD - KARAD CKT - 1	IntraState	02/12/2021	22:21		Continued.	HT	HT FOR OVERVOLTAGE
PARLI-SOLAPUR (LAMBOTI)	IntraState	04/12/2021	17:53	05/12/2021	01:05	EO	400kV B phase WT of 400kV Solapur line is dislocated from insulator string rod & tilted. Needs to be attended.
KARAD - TALANDGE CKT - 2	IntraState	04/12/2021	22:05	06/12/2021	09:04	HT	h/t for o/v
PADGHE - NAGOTHANE CKT - 1	IntraState	04/12/2021	22:30	05/12/2021	15:48	HT	H/T FOR O/V
PADGHE - KALWA CKT - 1	IntraState	05/12/2021	15:50	05/12/2021	18:40	EO	Hot Spot attending work at loc. no. 1129 at B-Phase & R-Phase, Loc. No. 1126 R-Phase
PADGHE - NAGOTHANE CKT - 2	IntraState	05/12/2021	23:40	06/12/2021	08:28	HT	H/T for O/V
LONIKAND I - KOYNA STAGE-IV	IntraState	06/12/2021	00:07	06/12/2021	08:57	HT	O/V
BUS - 2 @ AKOLA 2	IntraState	06/12/2021	10:55	06/12/2021	19:25	PO	Annual Maintenance of Bus Equipment
EKTUNI - BABLESHWAR CKT - 1	IntraState	06/12/2021	20:02		Continued.	EO	Attending red hot spots of Ektuni Babhaleshwar ckt 1
KARAD - TALANDGE CKT - 1	IntraState	06/12/2021	22:50		Continued.	HT	Handtripped for Over Voltage
LONIKAND I - KOYNA STAGE-IV	IntraState	06/12/2021	22:54		Continued.	HT	Handtripped for Over Voltage
400 KV ICT Outages/Tripping							
400/220/33 KV 315 MVA ICT - 2 @ CHANDRAPUR	IntraState	01/12/2021	10:43	05/12/2021	19:05	PO	1) Replacement of 400KV HV Bushings of R & B-ph ICT units. 2) Servicing & Maintenance of CTR make NIFPS. Of R, Y & B-ph ICT units. 3) Inspection of GE make 400KV CB of ICT-2 HV bay. 4) Replacement of support structure of B-ph 400KV HV CT. 5) MTAMC project work.
400/220/33 KV 315 MVA ICT - 2 @ KOLHAPUR	IntraState	06/12/2021	09:11	06/12/2021	14:56	PO	1. Annual diagnostic Testing Work 2. QM Work
400/11.5KV STATION TRANSFORMER - 3 @ TIRORA	IntraState	06/12/2021	10:37	06/12/2021	19:33		Outage proposal of 400KV/11.5KV TIRODA-ST-3 for metering CT accuracy test by NABL accredited Testing agency in presence of MSEDCL and MSETCL testing team.
400/220/33 KV 500 MVA ICT - 3 @ KOLHAPUR	IntraState	06/12/2021	13:18	06/12/2021	20:56	T	220KV BUS FAULT
400/220/33 KV 500 MVA ICT - 3 @ KOLHAPUR	IntraState	06/12/2021	13:18	06/12/2021	20:56	T	220kv side bus-B insulator flashover
220 KV LINE Outages/Tripping							
NALASOPARA - BOISAR PG	InterState	05/12/2021	08:10	05/12/2021	19:06	PO	POST MANSOON MAINTENANCE & REPLACEMENT OF PID FAULTY INSULATOR STRINGS and Bay Maintenance work.
NALASOPARA - BOISAR PG	InterState	05/12/2021	08:10	05/12/2021	19:06	PO	For safety purpose for the scheme of replacement of conductor with HTLS conductor of 220KV BOISAR-PGCIL LINE. NO. 02 following arrangement to be done: 1. Bunching of 220KV BOISAR-PGCIL LINE. NO. 02 WITH existing dead line at loc. No. 17 & 01. 2. Replacement of TOP phase conductor of 220kv Boisar - PGCIL line no.02 at loc. No. 09 - 10 & 10-12

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Dec/2021

Statement-VII

Position as on 6.30 Hrs of 06/Dec/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
PADGHA - TEMGHAR - 1	IntraState	30/11/2021	10:51		Continued.	HT	line work
BOISAR II - BOISAR (PG) CKT - 2	IntraState	05/12/2021	07:19	05/12/2021	18:16	PO	For scheme of replacement of conductor with HTLS conductor of following arrangement to be done: - 1. Bunching of 220KV BOISAR-PGCIL LINE. NO. 02 WITH existing dead line at loc. No. 17 & 01. 2. Replacement of TOP phase conductor of 220kv Boisar - PGCIL line no.02 at loc. No. 09 - 10 & 10-12.
BOISAR - VERSOVA	IntraState	05/12/2021	07:30	05/12/2021	18:24	HT	TO CONTROL LINE LOADING OF 220KV BOISAR PG-1 AND 3 CKT
BIDRI - SAWANTWADI	IntraState	05/12/2021	22:06	06/12/2021	10:02	HT	over voltage
GOREGAON - VERSOVA CKT - 2	IntraState	05/12/2021	23:11	06/12/2021	11:19	EO	To attend HOTSPOT ON YPh CB Pad. Hotspot Temperature - 127 deg C
MAIN BUS @ ONI	IntraState	06/12/2021	09:35	06/12/2021	18:50	PO	220KV Main bus Section -I isolator bearing replacement, all bus isolator maintenance, 220KV PT maintenance and C & Tan delta test of 220KV Pedhambe Oni Line CT.
VITA - MIRAJ	IntraState	06/12/2021	09:49	06/12/2021	18:04	PO	Q.M work & CT tan delta measurement
KARAD - WATHAR	IntraState	06/12/2021	10:26	06/12/2021	13:43	PO	Quarterly maintenance work.
URAN - HOC 1	IntraState	06/12/2021	10:57	06/12/2021	17:17	PO	Providing missing earthwire from loc 44 to 46. Replacement of pilot disc insulator at loc 25
NAGOTHANE - POSCO	IntraState	06/12/2021	11:08	06/12/2021	13:43		for Diagnostic testing work at Nagothane s/s.
TALANDGE - ICHALKARANJI 2	IntraState	06/12/2021	13:18	06/12/2021	14:00	T	220KV BUS FAULT
TALANDAGE - FIVE STAR MIDC 2	IntraState	06/12/2021	13:18	06/12/2021	13:58	T	220KV BUS FAULT
TALANDGE - HAMIDWADA	IntraState	06/12/2021	13:18	06/12/2021	13:48	T	220KV BUS FAULT
TALANDGE - BIDRI	IntraState	06/12/2021	13:18	06/12/2021	13:42	T	BUS Fault at Kolhapur
BORIVALI - BOISAR (PG)	IntraState	06/12/2021	13:34	06/12/2021	19:25		For AMP works. Line outage is required.
BIDRI - SAWANTWADI	IntraState	06/12/2021	22:15		Continued.	HT	Over Voltage of 238 kV at Bidri
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
220/110 KV 200 MVA ICT - 2 @ ICHALKARANJI - II	IntraState	06/12/2021	09:20	06/12/2021	12:11	PO	1)110 KV CT Oil leakage attending work
220/132-110 KV 100MVA ICT No-01 @ OGLEWADI	IntraState	06/12/2021	10:03	06/12/2021	16:56	PO	1. Q.M work 2. Diagnostic testing work
220/33KV 50MVA PTR 1 @ MUMEWADI	IntraState	06/12/2021	10:20	06/12/2021	13:38	PO	T/F winding ,bushing & HV CT Tand Delta testing and quarterly maint.work
220/33KV 50MVA PTR 2 @ MUMEWADI	IntraState	06/12/2021	14:17	06/12/2021	16:16	PO	T/F winding ,bushing & HV CT Tand Delta testing and quarterly maint.work
220/22 KV 50 MVA PTR 1 @ MULUND	IntraState	06/12/2021	16:41	06/12/2021	17:40	EO	For attending Hot spot on B Phase LV Bushing

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