

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 22/Jan/2020 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	139.575	2654.034	1) Gujrat	8.380	106.523
2) Hydro	3.843	281.038	2) Madhya Pradesh	12.609	283.379
3) Gas	6.745	114.275	3) Chattisgarh	5.450	153.240
Total MSPGCL	150.163	3049.347	4) Maharashtra	130.899	2558.337
B) 1) APML	72.242	1560.582	5) Goa (Amona)	-0.528	-11.352
2) JSWEL	25.252	530.887	Total	156.810	3090.127
3) VIPL	0.000	0.000	a) Mumbai Schedule	23.974	463.910
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	26.455	483.830
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	35.614	619.769
6) Other IPP	15.226	338.666	Include PX	11.046	125.146
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	23.974	463.910
C) 1) TPCL Thermal	14.785	319.838	Include PX	9.915	170.465
2) TPCL Hydro	3.871	72.474	Standby	0.000	0.000
3) TPCL Gas	2.320	43.053	H) ENERGY CATERED (MUs)		
4) AEML Thermal	3.800	142.364	1) MSEDCL	409.025	8401.018
D) STATE			2) Mumbai Discoms	51.231	1061.561
1) Thermal	270.880	5546.371	TOTAL STATE	460.256	9462.579
(A1+C1+C4+(B1-B6))					
2) Hydro	7.714	353.512			
(A2+C2)					
3) Gas	9.065	157.328			
(A3+B7+C3)					
4) Wind	9.369	190.373			
6) SOLAR	6.418	124.866			
TOTAL STATE	303.446	6372.450			

* 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 3 Hrs
MSPGCL Thermal	6029	6010	6224	5052
MSPGCL Hydro	235	147	135	74
MSPGCL Gas	280	277	285	294
MSPGCL Total Generation	6544	6434	6644	5420
Central Sector Receipt	8107	8373	6169	5004
WIND	501	394	219	503
CPP / IPP Thermal	4999	4906	5048	4007
CPP / IPP Gas	0	0	0	0
SOLAR	960	1010	1	0
Exchange with Mumbai	-1425	-1556	-1464	-604
MSEDCL DEMAND MET	19686	19561	16617	14330
Load Shedding	0	0	0	0
MSEDCL DEMAND	19686	19561	16617	14330
TPCL GENERATION	1047	865	1044	614
AEML GENERATION	246	195	0	189
MUMBAI DEMAND	2718	2616	2508	1407
STATE DEMAND MET	22404	22177	19125	15737
STATE DEMAND	22404	22177	19125	15737
Frequency (Hz)	50.04	50.03	50.01	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 12.00 Hrs	49.88 Hz at 14.12 Hrs	50.02	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 22/Jan/2020

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	9.87	241.86	478	370
Unit 9	9.97	242.54	500	305
Unit 10	11.04	204.96	507	400
Total	30.88	689.36		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Total	0.00	0.00		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	3.30	43.12	236	0
Unit 7	3.11	48.84	234	0
Unit 8	5.40	95.56	247	196
Total	11.81	187.52		
Chandrapur				
Unit 3	4.26	91.58	190	163
Unit 4	3.98	83.57	173	140
Unit 5	7.57	173.51	320	305
Unit 6	10.33	223.37	480	360
Unit 7	8.79	17.30	383	335
Unit 8	10.84	236.26	475	360
Unit 9	10.22	230.26	475	360
Total	55.99	1055.85		
Paras				
Unit 3	4.35	102.59	205	147
Unit 4	4.46	112.45	212	165
Total	8.81	215.04		
Khaparkheda				
Unit 1	4.15	44.70	185	150
Unit 2	4.12	45.78	195	160
Unit 3	4.26	45.91	195	158
Unit 4	4.27	50.58	200	160
Unit 5	11.20	232.79	500	365
Total	28.00	419.77		
Nasik				
Unit 3	4.08	82.50	190	158
Unit 4	0.00	3.98	0	0
Unit 5	0.00	0.00	0	0
Total	4.08	86.48		
Uran				
All Units	6.74	114.28	307	249
Total	6.74	114.28		
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)	0.11	2.72	36	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.11	2.72		
Koyna				
Stage 1-2	1.90	75.80	350	40
Stage 4	0.00	114.88	0	0
Stage 3	0.14	40.65	80	0
Total	2.04	231.34		
Hydro				
KDPH	0.00	4.12	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.48	10.23	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.13	3.00	80	0
RNGR+BHTSA	0.38	7.61	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.05	0	0
SMLHY_PTN	0.40	7.28	26	14
GHATGHAR	0.41	17.40	125	0
Total	1.80	49.70		
Wind				
Total	9.37	190.37	0	0
Total	9.37	190.37		
CPP				
APML(Mus)	72.24	1560.58	0	0
JSWEL(Mus)	25.25	530.89	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	15.23	338.67	0	0
Total	112.72	2430.14		
SOLAR				
Total	6.42	124.87	0	0
Total	6.42	124.87		
Tata				
Trombay 5	9.54	206.25	464	280
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.29	24.50	73	46
Trombay 7B	1.03	18.55	52	38
Trombay 8	5.25	113.59	243	182
TATA Hydro	3.87	72.47	294	0
Total	20.98	435.36		
AEML				
DTPS U-1&2	3.80	142.36	250	0
Total	3.80	142.36		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	139.58	2654.03	MSPGCL Total	150.16	3049.35
			MSPGCL Thml+Gas	146.32	2768.31	Koyna 1,2 & 4 Total	1.90	190.69
			MSPGCL Hydro	3.84	281.04	State Total	303.45	6372.45

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 22/Jan/2020

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS										
1	5407	84	294	5785	434	4220	0	0	5375	5098	-789	14748	0	14748	1588	16336	50.04
2	5135	69	304	5508	419	4159	0	0	5391	5045	-667	14464	0	14464	1469	15933	50.04
3	5052	74	294	5420	503	4007	0	0	5148	5004	-604	14330	0	14330	1407	15737	50.03
4	5037	75	305	5417	512	3958	0	0	5181	5075	-589	14373	0	14373	1364	15737	50.02
5	5147	75	294	5516	466	4153	0	0	5714	5429	-620	14944	0	14944	1384	16328	50.03
6	5716	75	306	6097	587	4311	0	0	6263	6330	-722	16603	0	16603	1527	18130	50.02
7	5868	140	295	6303	659	4741	0	5	6837	6731	-826	17613	0	17613	1751	19364	50.00
8	6029	215	307	6551	661	5016	0	69	7226	7288	-777	18808	0	18808	1965	20773	50.03
9	6017	242	294	6553	544	5082	0	303	7389	7365	-950	18897	0	18897	2237	21134	50.05
10	6019	308	289	6616	706	5060	0	580	7722	7524	-1149	19337	0	19337	2484	21821	49.98
11	5993	216	283	6492	627	5020	0	799	8123	7866	-1318	19486	0	19486	2654	22140	50.01
12	6029	235	280	6544	501	4999	0	960	8464	8107	-1425	19686	0	19686	2718	22404	50.04
13	6010	147	277	6434	394	4906	0	1010	8256	8373	-1556	19561	0	19561	2616	22177	50.03
14	6081	147	265	6493	359	4917	0	969	8035	7996	-1478	19256	0	19256	2509	21765	50.04
15	6048	260	273	6581	232	4932	0	758	8044	7991	-1451	19043	0	19043	2524	21567	50.00
16	6122	215	263	6600	153	4974	0	586	7853	7905	-1293	18925	0	18925	2569	21494	50.01
17	6165	440	277	6882	122	5021	0	309	7061	7061	-1226	18169	0	18169	2555	20724	49.98
18	6223	270	279	6772	88	5039	0	69	6426	6434	-1387	17015	0	17015	2506	19521	50.02
19	6224	135	285	6644	219	5048	0	1	6173	6169	-1464	16617	0	16617	2508	19125	50.01
20	6160	106	272	6538	257	5007	0	0	6097	6094	-1425	16471	0	16471	2456	18927	50.03
21	5956	80	261	6297	325	4791	0	0	5903	5579	-1384	15608	0	15608	2359	17967	50.02
22	5771	70	249	6090	229	4465	0	0	5575	5689	-1289	15184	0	15184	2191	17375	50.02
23	5656	80	250	5986	178	4445	0	0	5459	5535	-1156	14988	0	14988	2029	17017	50.01
24	5710	85	249	6044	194	4449	0	0	5296	5122	-910	14899	0	14899	1861	16760	50.06
MUs	139.58	3.84	6.74	150.16	9.37	112.72	0.00	6.42	159.01	156.81	-26.45	409.02	0.00	409.02	51.23	460.26	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 22/Jan/2020

Position as on 6.30 Hrs of 23/Jan/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CPP	SWPGL U-3	135	01/11/2018	00.28		Continued.	Annual Overhaul	
MSPGCL	Ghatghar Unit-1	125	25/09/2019	04.20		Continued.	Withdrawn On Shaft Seal Water Leakage.Converted to AOH From 1 Nov 2019.	
AEML	AEML Unit 2	250	06/01/2020	18.44		Continued.	Annual Overhaul	
MSPGCL	Koyna STG-IV Unit-3	250	20/01/2020	09.00		Continued.	Maintenance work	
FORCED OUTAGE								
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
MSPGCL	Parli Unit 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	No PPA	
IPP	SWPGL U-2	135	27/11/2018	00.00		Continued.	No Schedule.	
CPP	SWPGL U-4	135	15/12/2018	00.00		Continued.	No Schedule	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 7	210	27/08/2019	09.52		Continued.	Coal Flow Problem Due To Wet Coal.(Converted To Zero Schedule From 12.09.2019 At 20.00 hrs)	
IPP	RPL(AMT) U-1	270	01/09/2019	09.11		Continued.	Generator Protection operated	
MSPGCL	Bhusawal Unit 3	210	01/09/2019	17.56		Continued.	Zero Schedule from 18:00hrs of 28/09/2019	
MSPGCL	Koradi Unit 6	210	06/09/2019	15.41		Continued.	Zero Schedule By MSEDCL	
IPP	RPL(AMT) U-3	270	25/10/2019	02.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-2	270	25/10/2019	22.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-5	270	09/11/2019	03.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-4	270	12/11/2019	00.00		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Uran Unit 8	108	30/11/2019	19.14		Continued.	Over Speed Bolt Trip.	
MSPGCL	Nasik Unit 5	210	12/12/2019	10.25		Continued.	PA Fan Problem (Under Case 4 Bidding From 04.25Hrs DT. 13-12-2019)	
MSPGCL	Bhusawal Unit 5	500	23/12/2019	22.05		Continued.	Boiler Tube Leakage(Converted to Zero Schedule from 22.00Hrs DT. 26-12-2019)	
MSPGCL	Uran Unit B0	120	28/12/2019	22:48		Continued.	Gas shortage	
MSPGCL	Uran Unit 7	108	28/12/2019	22:48		Continued.	Gas shortage	
MSPGCL	Bhusawal Unit 4	500	29/12/2019	00.57		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Parli Unit 6	250	12/01/2020	00.00	22/01/2020	04.08	Zero Schedule By MSEDCL.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 22/Jan/2020

Position as on 6.30 Hrs of 23/Jan/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Parli Unit 7	250	12/01/2020	00.00	22/01/2020	04.20	Zero Schedule By MSEDCL.	
MSPGCL	Koyana Unit 9	80	18/01/2020	08.00		Continued.	Transformer shifted work.	
MSPGCL	Nasik Unit 4	210	19/01/2020	04.35		Continued.	Governing problem.	
AEML	AEML Unit 1	250	22/01/2020	17.11	22/01/2020	22.51	Bus Bar Operated.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jan/2020

Statement-VII

Position as on 6.30 Hrs of 23/Jan/2020

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							
Karad Solapur (PG)	InterState	03/05/2017	11:49		Continued.	PO	Line Converted As 220 Kv Solapur (PG)- Jeur From LOC 403
Dhule Sar'Sarovar II	InterState	21/01/2020	17.14	22/01/2020	06.42	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	22/01/2020	18.19		Continued.	HT	Over Voltage
Koradi-Khaperkheda I	IntraState	19/01/2020	09.44	22/01/2020	19.00	PO	PG Isolators Alignment, Testing And Setting Work.
karad -kolhapur-II	IntraState	21/01/2020	09.10		Continued.	PO	String replacement(RFC 19.57Hrs)
Khadka-Aurangabad (Waluj)	IntraState	21/01/2020	17.57	22/01/2020	06.42	HT	Over Voltage
Chandrapur - Khaperkheda	IntraState	22/01/2020	03.25	22/01/2020	06.16	T	Distance Protection
Karad-Jaigad - I	IntraState	22/01/2020	08.31		Continued.	PO	Insulator Replacement Work
Main Bus I @ Akola	IntraState	22/01/2020	09.23	22/01/2020	16.50	PO	Maintenance of Bus Related Equipment.
Kala Kudus Ckt-I	IntraState	22/01/2020	11.35	22/01/2020	17.59	PO	Annual Maintenance Work
Lonikand 1 - Chakan	IntraState	22/01/2020	11.36	22/01/2020	11.44	T	While Shifting From Bus-1 To Bus -2.
Chandrapur - Khaperkheda	IntraState	22/01/2020	15.27	22/01/2020	18.20	EO	To attend Y Ph Insulator String at LOC No.110.
Khadka-Aurangabad (Waluj)	IntraState	22/01/2020	17.10		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 Mva ICT 1 @Padghe	IntraState	15/11/2018	10.07		Continued.	T	Differential Protection, Declared Faulty.
400/220 Kv 315 Mva Ict 1 @Chakan	IntraState	22/01/2020	13.05	22/01/2020	16.50	PO	Hot Line Work To attend PG Isolator Broken Insulator of ICT-1.
400/220/33 Kv 315 Mva ICT 1 @Padghe	IntraState	22/01/2020	15.34		Continued.	EO	EM Hand Tripped, To attend R & Y Ph L.V.Oil Leakage (Changed From H.V.Side at 20.42hrs.)
220 KV LINE Outages/Trippings							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule.(close at Mudshingi end only)
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule.(close at Chikodi end only)
EKLAHARE (OCR) Nasik Navsari II	InterState	22/01/2020	09.24	22/01/2020	17.55	PO	Diagnostic Testing Work.
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
MAHAPE - RELIANCE GIS	IntraState	08/01/2020	10:44		Continued.	HT	At Mahape End For New Configuration.
Kalwa - Mulund 2	IntraState	15/01/2020	09.02		Continued.	PO	Stringing of HTLS conductor.
Wardha-Yeotmal	IntraState	16/01/2020	12.13		Continued.	PO	Shifting/Diversion work of 220KV Deoli-Pusad D/C Line
Bhira Dharavi 7	IntraState	18/01/2020	08.08		Continued.	PO	Maintenance work.
Kadegaon-Miraj	IntraState	21/01/2020	08.05		Continued.	PO	Erection of Multi CKT Tower
Talandage(400kv) - Five Star Midc	IntraState	21/01/2020	23.40	22/01/2020	13.20	HT	R phase problem in Metering
Mulund - GIS Bhandup	IntraState	22/01/2020	06.24	22/01/2020	11.34	PO	Safety Purpose.
Kalwa - Mulund 1	IntraState	22/01/2020	06.40	22/01/2020	11.24	PO	Safety Purpose.
Padghe - Nalasopara	IntraState	22/01/2020	08.21		Continued.	PO	Construction Work.
BHUGAON WARORA CKT-I	IntraState	22/01/2020	08.54	22/01/2020	18.50	PO	Line Maintenance work
Dahanu Ghodbunder Line 2	IntraState	22/01/2020	09.10	23/01/2020	00.07	PO	For Mian Bus 2 Outages.
Karad -Mudshingi Ckt- IV	IntraState	22/01/2020	10.02	22/01/2020	13.55	PO	Quarterly Maintenance Work
Parli(U-VIII) GCR CKT	IntraState	22/01/2020	10.08	22/01/2020	12.45	PO	Distance Scheme Testing.
Wpcl-Warora 2	IntraState	22/01/2020	10.40		Continued.	T	TC-1 Y-Ph Faulty B/C Protection Operated.
Kanhan - Suryalaxmi	IntraState	22/01/2020	11.23	22/01/2020	21.00	PO	Diagnostic Testing Work.
Topworth - Kharghar	IntraState	22/01/2020	11.49	22/01/2020	18.30	PO	Cold Line Cleaning of Suspension String.

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 22/Jan/2020

Statement-VII

Position as on 6.30 Hrs of 23/Jan/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Bus Coupler @ Koradi	IntraState	22/01/2020	11.54	22/01/2020	15.06	PO	Line Maintenance work
Kanhan-Umred 1	IntraState	22/01/2020	12.12	22/01/2020	16.26	PO	LA Replacement at Umred End.
Khaparkheda-Ambazari-I	IntraState	22/01/2020	14.32	22/01/2020	19.46	PO	Diagnostic Testing Work Along With Routine Maintenance Work.
Main Bus-I@Versova	IntraState	22/01/2020	14.59	22/01/2020	23.34	PO	Connection Work of AEML Versova-Tata Versova With 220kv Gis Bus-1.
Dahanu-Viraj	IntraState	22/01/2020	17.09	22/01/2020	17.12	T	Bus Bar Protection Operated
Dahanu Versova	IntraState	22/01/2020	17.09	22/01/2020	17.12	T	Bus Bar Protection Operated
Dahanu Ghodbunder Line 1	IntraState	22/01/2020	17.09	22/01/2020	17.12	T	Bus Bar Protection Operated
Chakan-Mahindra Vehicle	IntraState	22/01/2020	21.21	22/01/2020	22.35	PO	Bus Bar Operated Due To Consumer End Metering CT Burst.
220 KV ICT Outages/Trippings							
220/132 Kv 200 Mva Emco Ict 2 @Ambazari	IntraState	22/01/2020	10.58	22/01/2020	13.40	PO	Attending Oil Leakage From Top Plate Nut-Bolts & Control Vlive Replacement of CGL Breaker.
220/132kv 200mva Emco ICT-1 @Kurkumbh	IntraState	22/01/2020	12.35	22/01/2020	17.42	PO	Annual Maintenance Work

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