

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 30/Jan/2020 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	143.454	3807.892	1) Gujrat	5.672	150.384
2) Hydro	6.932	355.226	2) Madhya Pradesh	12.710	376.804
3) Gas	5.568	162.046	3) Chattisgarh	5.820	199.910
Total MSPGCL	155.954	4325.164	4) Maharashtra	121.050	3538.182
B) 1) APMIL	72.831	2137.592	5) Goa (Amona)	-0.528	-16.082
2) JSWEL	22.646	725.446	Total	144.724	4249.198
3) VIPL	0.000	0.000	a) Mumbai Schedule	22.396	656.279
4) RPL(AMT)	4.624	4.624	b) Mumbai Drawl	22.551	690.366
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	30.508	854.831
6) Other IPP	15.371	459.304	Include PX	5.012	164.271
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	22.396	655.354
C) 1) TPCL Thermal	14.256	432.259	Include PX	10.923	249.404
2) TPCL Hydro	3.594	100.231	Standby	0.000	0.925
3) TPCL Gas	2.072	63.708	H) ENERGY CATERED (MUs)		
4) AEML Thermal	5.141	183.535	1) MSEDCL	407.017	11650.100
D) STATE			2) Mumbai Discoms	47.614	1470.101
1) Thermal	278.323	7750.652	TOTAL STATE	454.631	13120.201
(A1+C1+C4+(B1-B6))					
2) Hydro	10.526	455.457			
(A2+C2)					
3) Gas	7.640	225.754			
(A3+B7+C3)					
4) Wind	5.753	259.921			
6) SOLAR	7.665	179.217			
TOTAL STATE	309.907	8871.001			

* 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	6458	6167	5967	5394
MSPGCL Hydro	433	385	194	107
MSPGCL Gas	224	231	234	225
MSPGCL Total Generation	7115	6783	6395	5726
Central Sector Receipt	7717	7458	5884	4737
WIND	181	163	136	315
CPP / IPP Thermal	5104	5094	5019	4226
CPP / IPP Gas	0	0	0	0
SOLAR	1048	1078	8	0
Exchange with Mumbai	-1256	-1218	-1283	-544
MSEDCL DEMAND MET	19909	19358	16159	14460
Load Shedding	0	0	0	0
MSEDCL DEMAND	19909	19358	16159	14460
TPCL GENERATION	1003	986	847	594
AEML GENERATION	249	250	193	192
MUMBAI DEMAND	2508	2454	2323	1330
STATE DEMAND MET	22417	21812	18482	15790
STATE DEMAND	22417	21812	18482	15790
Frequency (Hz)	50.02	49.99	49.97	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 12.01 Hrs	49.79 Hz at 06.43 Hrs	49.99	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 30/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	10.18	326.51	508	350
Unit 9	11.63	328.40	570	360
Unit 10	11.11	293.04	550	345
Total	32.92	947.94		
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	5.27	84.42	250	188
Unit 7	5.33	90.70	248	194
Unit 8	5.11	138.24	250	0
Total	15.70	313.37		
Chandrapur				
Unit 3	4.32	125.50	190	163
Unit 4	3.99	100.65	175	152
Unit 5	3.28	228.45	280	0
Unit 6	10.61	305.76	480	360
Unit 7	9.43	92.68	462	320
Unit 8	11.00	321.80	480	360
Unit 9	11.48	317.60	495	360
Total	54.11	1492.44		
Paras				
Unit 3	5.33	142.22	250	195
Unit 4	5.07	155.19	250	0
Total	10.39	297.40		
Khaparkheda				
Unit 1	3.92	76.71	180	140
Unit 2	4.10	77.67	185	160
Unit 3	4.46	80.42	204	158
Unit 4	3.93	85.40	195	0
Unit 5	9.85	317.27	435	360
Total	26.28	637.47		
Nasik				
Unit 3	4.05	114.96	190	158
Unit 4	0.00	4.30	0	0
Unit 5	0.00	0.00	0	0
Total	4.05	119.26		
Uran				
All Units	5.57	162.05	235	223
Total	5.57	162.05		
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)	0.31	5.24	43	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.31	5.24		
Koyna				
Stage 1-2	2.36	100.98	365	40
Stage 4	1.16	132.02	500	0
Stage 3	0.85	49.96	160	0
Total	4.38	282.96		
Hydro				
KDPH	0.65	9.35	37	18
VTRNA	0.00	0.00	0	0
TILLARI	0.48	14.20	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.16	4.20	80	0
RNGR+BHTSA	0.33	10.41	14	13
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.05	0	0
SMLHY_PTN	0.47	10.86	31	16
GHATGHAR	0.46	23.20	125	0
Total	2.55	72.27		
Wind				
Total	5.75	259.92	0	0
Total	5.75	259.92		
CPP				
APML(Mus)	72.83	2137.59	0	0
JSWEL(Mus)	22.65	725.45	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	4.62	4.62	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	15.37	459.30	0	0
Total	115.47	3326.97		
SOLAR				
Total	7.66	179.22	0	0
Total	7.66	179.22		
Tata				
Trombay 5	9.26	278.89	470	306
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.16	36.36	55	44
Trombay 7B	0.92	27.34	43	36
Trombay 8	5.00	153.37	244	174
TATA Hydro	3.59	100.23	287	0
Total	19.92	596.20		
AEML				
DTPS U-1&2	5.14	183.54	250	191
Total	5.14	183.54		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	143.45	3807.89	MSPGCL Total	155.95	4325.16
			MSPGCL Thml+Gas	149.02	3969.94	Koyna 1,2 & 4 Total	3.52	233.00
			MSPGCL Hydro	6.93	355.23	State Total	309.91	8871.00

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 30/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	5336	141	235	5712	375	4312	0	0	5184	5245	-668	14976	0	14976	1505	16481	49.98
2	5423	112	234	5769	402	4397	0	0	5120	4922	-584	14906	0	14906	1387	16293	49.96
3	5394	107	225	5726	315	4226	0	0	5116	4737	-544	14460	0	14460	1330	15790	49.98
4	5325	122	234	5681	285	4215	0	0	5075	4958	-514	14625	0	14625	1302	15927	50.00
5	5694	108	234	6036	290	4290	0	0	5128	5198	-533	15281	0	15281	1321	16602	50.01
6	6139	118	235	6492	365	4647	0	0	5656	5847	-654	16697	0	16697	1450	18147	49.97
7	6381	242	234	6857	417	4994	0	10	6366	6004	-810	17472	0	17472	1665	19137	49.92
8	6433	922	224	7579	294	5076	0	85	6248	6509	-719	18824	0	18824	1864	20688	49.98
9	6516	953	234	7703	272	5126	0	417	6239	6127	-912	18733	0	18733	2116	20849	50.00
10	6592	695	234	7521	273	5141	0	654	6636	6472	-1078	18983	0	18983	2345	21328	49.99
11	6595	411	233	7239	231	5091	0	934	7357	7313	-1176	19632	0	19632	2471	22103	50.02
12	6458	433	224	7115	181	5104	0	1048	7742	7717	-1256	19909	0	19909	2508	22417	50.02
13	6167	385	231	6783	163	5094	0	1078	7499	7458	-1218	19358	0	19358	2454	21812	49.99
14	6131	273	233	6637	164	5094	0	1043	7279	7096	-1049	18985	0	18985	2323	21308	50.02
15	6242	230	231	6703	147	5085	0	954	7438	7058	-1115	18832	0	18832	2328	21160	50.00
16	6235	236	232	6703	166	5078	0	789	7360	7308	-1131	18913	0	18913	2336	21249	50.00
17	6123	280	223	6626	143	5101	0	498	6772	6644	-1048	17964	0	17964	2335	20299	50.00
18	5984	170	232	6386	94	5034	0	147	6132	5874	-1065	16470	0	16470	2324	18794	49.99
19	5967	194	234	6395	136	5019	0	8	5685	5884	-1283	16159	0	16159	2323	18482	49.97
20	6042	369	235	6646	124	5075	0	0	5645	5428	-1250	16023	0	16023	2300	18323	49.99
21	5838	124	235	6197	238	4861	0	0	5406	5377	-1118	15555	0	15555	2142	17697	49.97
22	5656	109	233	5998	265	4539	0	0	5293	5259	-1021	15040	0	15040	2003	17043	49.97
23	5353	99	235	5687	211	4425	0	0	5203	5229	-979	14573	0	14573	1830	16403	49.94
24	5430	99	234	5763	202	4448	0	0	5111	5061	-826	14648	0	14648	1652	16300	50.01
MUs	143.45	6.93	5.57	155.95	5.75	115.47	0.00	7.67	146.69	144.72	-22.55	407.02	0.00	407.02	47.61	454.63	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 30/Jan/2020

Position as on 6.30 Hrs of 31/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.	
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)	
AEML	AEML Unit 2	250	06/01/2020	18.44		Continued.	Annual Overhaul	
MSPGCL	Koyana 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 U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	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	30/01/2020	02.25	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	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	Bhusawal Unit 4	500	29/12/2019	00.57		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Koyana Unit 9	80	18/01/2020	08.00		Continued.	Transformer shifting work.	
MSPGCL	Nasik Unit 4	210	21/01/2020	10.30		Continued.	Zero schedule	
MSPGCL	Uran Unit 6	108	28/01/2020	01.40		Continued.	Routine Operating Hour Equalization Of Units.	
MSPGCL	Uran Unit 5	108	28/01/2020	22.03		Continued.	Gas shortage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 30/Jan/2020

Position as on 6.30 Hrs of 31/Jan/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit A0	120	28/01/2020	22.03		Continued.	Gas shortage	
MSPGCL	Paras Unit 4	250	29/01/2020	22.25	30/01/2020	01.27	Due To Electircal Board Fault.	
MSPGCL	Khaparkheda Unit 4	210	29/01/2020	23.41	30/01/2020	01.43	Furnace Pressure High	
MSPGCL	Chandrapur Unit 5	500	30/01/2020	12.30		Continued.	Annual Maintenance Work.	
MSPGCL	Parli Unit 8	250	30/01/2020	22.31	31/01/2020	04.48	Flame Failure	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jan/2020

Statement-VII

Position as on 6.30 Hrs of 31/Jan/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 1	IntraState	30/01/2020	12.12	30/01/2020	14.19	PO	To Attend Water leakage In Valve hall.
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	29/01/2020	19.26	30/01/2020	05.52	HT	Over Voltage
Dabhol Nagothane I	InterState	30/01/2020	17.01	30/01/2020	17.58	T	Distance Protection
Dhule Sar'Sarovar I	InterState	30/01/2020	20.07	31/01/2020	06.04	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	29/01/2020	19.30	30/01/2020	07.10	HT	Over Voltage
Lonikand 1 - Chakan	IntraState	30/01/2020	10.13	30/01/2020	13.56	PO	To Replace Damaged Rotor Isolator By Hotline Unit.
Khadka-Aurangabad (Waluj)	IntraState	30/01/2020	18.04	31/01/2020	06.10	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 500MVA ICT-1 @ TAPTITANDA	IntraState	30/01/2020	10.38	30/01/2020	21.24	PO	Diagnostic Testing.
400/220 KV 500MVA ICT II @ Nanded	IntraState	30/01/2020	10.50	30/01/2020	17.01	PO	Annual Maintenance Work & Tan Delta.
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)
Borivali - Tarapur	InterState	25/01/2020	08.45	30/01/2020	23.56	PO	Work At Tarapur End.
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.
Talandge-Mudshingi Ckt-I	IntraState	27/01/2020	08.45		Continued.	PO	Construction Work.
Trombay - Kalwa	IntraState	27/01/2020	10.54		Continued.	PO	Stringing Work.
Mulund - GIS Bhandup	IntraState	30/01/2020	06.32	30/01/2020	11.22	PO	Safety Purpose For Construction Work.
Kalwa - Mulund 1	IntraState	30/01/2020	06.34	30/01/2020	11.20	PO	Safety Purpose For Construction Work.
Pedhambe - Oni	IntraState	30/01/2020	08.45	30/01/2020	17.38	PO	Cold Washing Of Insulator String.
Talandge-Hamidwada	IntraState	30/01/2020	09.17	30/01/2020	17.28	PO	Insulator Replacement.
Talandage - Sawantwadi I	IntraState	30/01/2020	09.42	30/01/2020	14.55	PO	C & Tan Delta & C.B Timing.
Nasik - Raymond	IntraState	30/01/2020	09.50	30/01/2020	19.43	PO	Replacement of Old Disc Insulator To New porcelain Long Rod.
Aurangabad (waluj)-Taptitanda ckt-1	IntraState	30/01/2020	10.24	30/01/2020	21.32	PO	For Outage On Taptitanda ICT.
GIS KONDHWA NANDED CITY	IntraState	30/01/2020	11.17	30/01/2020	17.37	PO	Conductor Replacement & Line Maint.
Borivali - Ghodbunder	IntraState	30/01/2020	12.05		Continued.	PO	Replacement Line Boxes.
Sawantwadi-Bidri	IntraState	30/01/2020	15.05	30/01/2020	18.15	PO	C & Tan Delta & C.B Timing.
220 KV ICT Outages/Trippings							
220/132 Kv 200 Mva Vijai Ict 2 @Bale (Solapur 2)	IntraState	28/01/2020	10.52		Continued.	HT	Abnormal sound
220/100 Kv 200 Mva Vijai Ict 3 @Trombay	IntraState	30/01/2020	10.01	30/01/2020	17.21	OO	Tan Delta 100Kv Trombay Tata Group Breaker Outage At 09.53 Hrs.

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