

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Feb/2020 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	158.505	2915.348	1) Gujrat	2.817	83.935
2) Hydro	9.725	208.546	2) Madhya Pradesh	12.508	265.710
3) Gas	9.907	175.386	3) Chattisgarh	3.760	95.400
Total MSPGCL	178.137	3299.280	4) Maharashtra	129.945	2562.806
B) 1) APML	74.749	1525.022	5) Goa (Amona)	-0.418	-10.318
2) JSWEL	22.100	489.055	Total	148.612	2997.533
3) VIPL	0.000	0.000	a) Mumbai Schedule	26.654	443.993
4) RPL(AMT)	5.555	198.778	b) Mumbai Drawl	27.537	514.897
5) WPCL	5.140	63.612	c) MSEDCL Bilateral *	30.458	606.377
6) Other IPP	16.073	337.110	Include PX	3.889	75.229
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	26.654	443.993
C) 1) TPCL Thermal	14.319	289.289	Include PX	12.886	162.591
2) TPCL Hydro	3.338	89.549	Standby	0.000	0.000
3) TPCL Gas	0.000	2.659	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.306	190.515	1) MSEDCL	436.474	8732.259
D) STATE			2) Mumbai Discoms	55.500	1086.909
1) Thermal	306.747	6008.729	TOTAL STATE	491.974	9819.168
(A1+C1+C4+(B1-B6))					
2) Hydro	13.063	298.095			
(A2+C2)					
3) Gas	9.907	178.045			
(A3+B7+C3)					
4) Wind	7.001	199.369			
6) SOLAR	6.644	137.397			
TOTAL STATE	343.362	6821.635			

* 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 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6797	6828	6142	6356
MSPGCL Hydro	502	492	540	132
MSPGCL Gas	407	400	434	442
MSPGCL Total Generation	7706	7720	7116	6930
Central Sector Receipt	7553	7630	5877	5183
WIND	235	168	324	459
CPP / IPP Thermal	5456	5453	4745	4741
CPP / IPP Gas	0	0	0	0
SOLAR	985	980	0	0
Exchange with Mumbai	-1239	-1433	-1312	-909
MSEDCL DEMAND MET	20697	20518	16750	16404
Load Shedding	0	0	0	0
MSEDCL DEMAND	20697	20518	16750	16404
TPCL GENERATION	1075	901	804	490
AEML GENERATION	500	442	376	373
MUMBAI DEMAND	2814	2776	2492	1772
STATE DEMAND MET	23511	23294	19242	18176
STATE DEMAND	23511	23294	19242	18176
Frequency (Hz)	49.98	49.96	50.03	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 18:02 Hrs	49.69 Hz at 09:07 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 21/Feb/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	8.42	209.64	390	295
Unit 9	11.20	231.30	503	410
Unit 10	10.71	195.63	480	380
Total	30.34	636.56		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	10.28	96.09	500	360
Unit 5	10.20	93.10	495	355
Total	20.48	189.19		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.33	105.58	250	195
Unit 7	5.43	81.61	250	198
Unit 8	5.52	97.91	250	206
Total	16.27	285.10		
Chandrapur				
Unit 3	4.17	29.17	182	163
Unit 4	4.03	82.84	175	160
Unit 5	0.00	0.00	0	0
Unit 6	7.74	212.16	425	0
Unit 7	10.38	197.46	482	362
Unit 8	10.46	225.68	475	410
Unit 9	10.36	221.63	450	420
Total	47.14	968.94		
Paras				
Unit 3	5.89	108.14	250	237
Unit 4	5.97	72.66	256	203
Total	11.86	180.80		
Khaparkheda				
Unit 1	4.19	85.06	185	150
Unit 2	4.32	82.68	185	165
Unit 3	4.63	92.93	195	160
Unit 4	4.54	90.56	195	168
Unit 5	10.50	218.99	465	370
Total	28.18	570.23		
Nasik				
Unit 3	0.00	25.27	0	0
Unit 4	4.25	59.26	197	163
Unit 5	0.00	0.00	0	0
Total	4.25	84.53		
Uran				
All Units	9.91	175.39	442	275
Total	9.91	175.39		
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)	0.24	5.57	48	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.24	5.57		
Koyna				
Stage 1-2	3.76	62.20	510	40
Stage 4	1.90	61.12	499	0
Stage 3	1.09	27.02	160	0
Total	6.74	150.34		
Hydro				
KDPH	0.44	7.91	19	19
VTRNA	0.00	0.00	0	0
TILLARI	0.54	9.42	60	0
BHTGR/VEER	0.00	0.09	0	0
BHIRA T.R.	0.24	4.14	80	0
RNGR+BHTSA	0.35	7.15	15	14
BHANDARDRA	0.44	2.04	19	18
ELDARY	0.36	6.00	15	15
SMLHY_PTN	0.60	10.54	26	25
GHATGHAR	0.00	10.93	0	0
Total	2.98	58.21		
Wind				
Total	7.00	199.37	0	0
Total	7.00	199.37		
CPP				
APML(Mus)	74.75	1525.02	0	0
JSWEL(Mus)	22.10	489.06	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	5.56	198.78	0	0
WPCL(Mus)	5.14	63.61	0	0
Other(Mus)	16.07	337.11	0	0
Total	123.62	2613.58		
SOLAR				
Total	6.64	137.40	0	0
Total	6.64	137.40		
Tata				
Trombay 5	9.36	188.11	482	287
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.00	1.50	0	0
Trombay 7B	0.00	1.16	0	0
Trombay 8	4.95	101.18	244	174
TATA Hydro	3.34	89.55	362	2
Total	17.66	381.50		
AEML				
DTPS U-1&2	10.31	190.52	501	373
Total	10.31	190.52		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	158.50	2915.35	MSPGCL Total	178.14	3299.28
			MSPGCL Thml+Gas	168.41	3090.73	Koyna 1,2 & 4 Total	5.65	123.32
			MSPGCL Hydro	9.72	208.55	State Total	343.36	6821.64

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Feb/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	6618	142	275	7036	513	5129	0	0	5811	5553	-1236	16994	0	16994	2101	19096	49.99
2	6377	142	361	6880	468	5144	0	0	5582	5252	-1083	16662	0	16662	1947	18608	49.99
3	6349	138	402	6888	442	5066	0	0	5332	5013	-977	16433	0	16433	1841	18274	50.00
4	6356	132	442	6930	459	4741	0	0	5262	5183	-909	16404	0	16404	1772	18176	50.00
5	6532	142	433	7108	395	4852	0	0	5306	5470	-890	16934	0	16934	1754	18688	50.02
6	6897	198	435	7530	304	5137	0	0	5724	5851	-899	17922	0	17922	1836	19758	49.99
7	6994	1008	434	8436	301	5213	0	3	6147	6171	-683	19442	0	19442	1942	21384	50.03
8	7015	1132	435	8582	275	5277	0	90	6151	6170	-743	19650	0	19650	2069	21720	49.95
9	6965	1182	432	8578	209	5433	0	355	6081	6021	-914	19682	0	19682	2297	21980	49.96
10	6891	906	424	8222	233	5196	0	662	6682	6550	-1044	19818	0	19818	2558	22376	49.91
11	6822	626	422	7870	205	5496	0	828	7031	7113	-1195	20318	0	20318	2752	23070	50.02
12	6797	502	407	7706	235	5456	0	985	7790	7553	-1239	20697	0	20697	2814	23511	49.98
13	6828	492	400	7720	168	5453	0	980	7603	7630	-1433	20518	0	20518	2776	23294	49.96
14	6885	442	400	7726	123	5469	0	842	7373	7264	-1311	20114	0	20114	2633	22746	50.03
15	6976	434	398	7808	185	5490	0	743	7404	7353	-1289	20289	0	20289	2631	22920	49.95
16	6958	326	414	7698	144	5486	0	624	7318	7280	-1244	19987	0	19987	2628	22615	49.97
17	6927	292	409	7628	133	5478	0	377	6708	6609	-1208	19016	0	19016	2595	21612	49.99
18	6812	130	420	7362	118	5173	0	140	6343	5852	-1439	17206	0	17206	2518	19724	50.02
19	6325	142	414	6882	258	4881	0	15	5753	5691	-1361	16366	0	16366	2484	18850	50.01
20	6142	540	434	7116	324	4745	0	0	5657	5877	-1312	16750	0	16750	2492	19242	50.03
21	5931	238	416	6586	344	4737	0	0	5594	5776	-1271	16172	0	16172	2431	18602	50.02
22	5996	140	428	6564	351	4743	0	0	5609	5800	-1222	16236	0	16236	2308	18544	50.00
23	6096	130	440	6666	423	4835	0	0	5817	5730	-1359	16296	0	16296	2208	18504	49.98
24	6016	166	432	6614	391	4987	0	0	5735	5850	-1276	16566	0	16566	2113	18678	49.95
MUs	158.51	9.72	9.91	178.14	7.00	123.62	0.00	6.64	149.81	148.61	-27.54	436.47	0.00	436.47	55.50	491.97	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 21/Feb/2020

Position as on 6.30 Hrs of 22/Feb/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Chandrapur Unit 5	500	30/01/2020	12.30		Continued.	Annual Maintenance Work.	
TPC-G	Trombay 7B	60	02/02/2020	00.16		Continued.	Gas shortage(Converted to Annual overhaul from 00.00Hrs DT. 03-02-2020)	
TPC-G	Trombay 7A	120	02/02/2020	00.34		Continued.	Gas shortage(Converted to Annual overhaul from 00.00Hrs DT. 03-02-2020)	
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	
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	
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 10.00 hrs)	
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-4	270	12/11/2019	00.00		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Nasik Unit 5	210	12/12/2019	10.25		Continued.	PA Fan Problem (Under Case 4 Bidding From 11.00Hrs DT. 13-12-2019)	
IPP	RPL(AMT) U-1	270	08/02/2020	00.00		Continued.	Zero Schedule By MSEDCL	
IPP	RPL(AMT) U-3	270	11/02/2020	18.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-5	270	11/02/2020	19.30		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Uran Unit 8	108	16/02/2020	22:52		Continued.	Gas shortage	
MSPGCL	Nasik Unit 3	210	17/02/2020	00:00		Continued.	C W PUMP High Vibrations(convert to Zero Schedule from 00.00Hrs DT. 18-02-2020)	
MSPGCL	Ghatghar Unit-1	125	18/02/2020	00.25		Continued.	Severe Hunting in Hydro Conduit across MIV	
MSPGCL	Ghatghar Unit-2	125	18/02/2020	00.55		Continued.	Severe Hunting in Hydro Conduit across MIV	
MSPGCL	Uran Unit B0	120	20/02/2020	11.20	21/02/2020	02.06	Gas shortage	
MSPGCL	Chandrapur Unit 6	500	21/02/2020	19.55		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Feb/2020

Statement-VII

Position as on 6.30 Hrs of 22/Feb/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 I	InterState	13/02/2020	12.08		Continued.	T	Distance Protection(Tower Collapsed Loc.No. 297)
Dhule Sar'Sarovar II	InterState	13/02/2020	16.32		Continued.	T	Distance Protection(Tower Collapsed Loc.No. 297)
Chandrapur Bhadravati II	InterState	18/02/2020	11.59	22/02/2020	01.20	PO	Y and B phase CT Replacement work
Khadka-Aurangabad (Waluj)	IntraState	20/02/2020	20.13	21/02/2020	06.19	HT	Over Voltage
Babhaleshwar - Bhusawal II	IntraState	21/02/2020	11.22	21/02/2020	16.24	T	Distance Protection
Bhusawal-Aurangabad	IntraState	21/02/2020	17.36		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 500 Mva Ict 1 @Lamboti	IntraState	21/02/2020	10.44	21/02/2020	13.38	PO	Replacement of 220KV 29 C isolator by ABB make motorized isolator.
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)
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Borivali - Ghodbunder	IntraState	30/01/2020	12.05		Continued.	PO	Replacement Line Boxes.
Lonand-Baramati	IntraState	16/02/2020	09.37		Continued.	PO	For Erection of CTT-2 Tower Work For 220Kv Baramati-Ionand & 220Kv Baramati Jejuri Cables Emanating form 220Kv Baramati ss.
Trombay - Mulund	IntraState	18/02/2020	06.03		Continued.	PO	Strengthening of HTLS Conductor
Dhule-Chalisagaon	IntraState	21/02/2020	07.20	21/02/2020	08.40	HT	Hand tripped in view of Dhule ICT overload (470AMP).
Maisal-Jath I	IntraState	21/02/2020	09.03	21/02/2020	17.25	PO	Cold washing of insulator.
Mumewadi -Halkarni ckt-II	IntraState	21/02/2020	09.06	21/02/2020	17.35	EO	Replacement of old suspension insulator.
Pedhambe - Oni	IntraState	21/02/2020	10.16	21/02/2020	16.50	EO	Testing of distance protection relay & back-up protection relay testing on emergency basis (Relay hang and it needs urgent testing).
MAHAPE - RELIANCE GIS	IntraState	21/02/2020	10.26	21/02/2020	13.26	EO	B-Ph jumper attending work.
Apta - Taloja	IntraState	21/02/2020	10.30	21/02/2020	18.47	PO	Providing of additional jumper at cut point tower Loc no. 584, 588, 591.
Padgha - Temghar I	IntraState	21/02/2020	12.09	21/02/2020	15.59	PO	Testing Work
Oni Kharepatan Line	IntraState	21/02/2020	16.59	21/02/2020	19.32	EO	Testing of distance protection relay & back-up protection relay testing on emergency basis (Relay hang and it needs urgent testing).
Shivajinagar - Malegaon	IntraState	21/02/2020	21.22	21/02/2020	Continued.	PO	Tightening of jumper and attending hot spot at various spot.
220 KV ICT Outages/Trippings							
200/132KV 100MVA ICT-1@Butibori	IntraState	21/02/2020	15.25	21/02/2020	19.03	T	Heavy oil leakage observed at R ph LV bushing of 100MVA, 220/132 KV ICT 1.

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