

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Feb/2020 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	162.733	2756.843	1) Gujrat	2.778	81.118
2) Hydro	10.240	198.821	2) Madhya Pradesh	11.513	253.202
3) Gas	7.032	165.479	3) Chattisgarh	3.800	91.640
Total MSPGCL	180.005	3121.143	4) Maharashtra	131.239	2432.861
B) 1) APML	74.983	1450.273	5) Goa (Amona)	-0.462	-9.900
2) JSWEL	24.185	466.955	Total	148.868	2848.921
3) VIPL	0.000	0.000	a) Mumbai Schedule	26.743	417.339
4) RPL(AMT)	5.625	193.223	b) Mumbai Drawl	29.421	487.360
5) WPCL	5.149	58.472	c) MSEDCL Bilateral *	28.971	575.919
6) Other IPP	16.061	321.037	Include PX	4.110	71.340
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	26.743	417.339
C) 1) TPCL Thermal	14.392	274.970	Include PX	12.785	149.704
2) TPCL Hydro	4.652	86.211	Standby	0.000	0.000
3) TPCL Gas	0.000	2.659	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.426	180.209	1) MSEDCL	440.792	8295.785
D) STATE			2) Mumbai Discoms	58.891	1031.409
1) Thermal	313.554	5701.982	TOTAL STATE	499.683	9327.194
(A1+C1+C4+(B1-B6))					
2) Hydro	14.892	285.032			
(A2+C2)					
3) Gas	7.032	168.138			
(A3+B7+C3)					
4) Wind	8.360	192.368			
6) SOLAR	6.977	130.753			
TOTAL STATE	350.815	6478.273			

* 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	6912	6971	6927	6519
MSPGCL Hydro	520	878	354	126
MSPGCL Gas	146	50	216	428
MSPGCL Total Generation	7578	7898	7498	7072
Central Sector Receipt	8036	7435	5537	5013
WIND	322	226	287	237
CPP / IPP Thermal	5505	5496	5402	4697
CPP / IPP Gas	0	0	0	0
SOLAR	983	1008	9	0
Exchange with Mumbai	-1333	-1448	-1468	-982
MSEDCL DEMAND MET	21092	20616	17264	16038
Load Shedding	0	0	0	0
MSEDCL DEMAND	21092	20616	17264	16038
TPCL GENERATION	1184	1015	896	492
AEML GENERATION	501	500	374	373
MUMBAI DEMAND	3018	2963	2738	1847
STATE DEMAND MET	24110	23578	20002	17884
STATE DEMAND	24110	23578	20002	17884
Frequency (Hz)	50.02	50.02	50.00	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 18:02 Hrs	49.81 Hz at 21:06 Hrs	50	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 20/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	9.02	201.22	470	339
Unit 9	12.36	220.09	600	460
Unit 10	10.82	184.92	470	425
Total	32.20	606.22		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	10.16	85.82	485	350
Unit 5	10.53	82.89	500	355
Total	20.70	168.71		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.25	100.26	250	190
Unit 7	5.35	76.18	249	194
Unit 8	5.27	92.40	240	202
Total	15.87	268.83		
Chandrapur				
Unit 3	4.22	25.01	190	163
Unit 4	3.96	78.81	170	160
Unit 5	0.00	0.00	0	0
Unit 6	10.40	204.41	480	360
Unit 7	9.73	187.08	455	334
Unit 8	10.80	215.22	490	394
Unit 9	10.77	211.27	480	400
Total	49.89	921.80		
Paras				
Unit 3	5.67	102.25	247	225
Unit 4	5.84	66.69	253	228
Total	11.50	168.94		
Khaparkheda				
Unit 1	4.18	80.87	190	150
Unit 2	4.21	78.36	180	170
Unit 3	4.52	88.30	195	175
Unit 4	4.40	86.03	195	170
Unit 5	11.16	208.49	500	428
Total	28.47	542.05		
Nasik				
Unit 3	0.00	25.27	0	0
Unit 4	4.11	55.01	196	156
Unit 5	0.00	0.00	0	0
Total	4.11	80.28		
Uran				
All Units	7.03	165.48	441	50
Total	7.03	165.48		
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)	0.23	5.33	54	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.23	5.33		
Koyna				
Stage 1-2	3.65	58.44	465	40
Stage 4	2.42	59.22	511	0
Stage 3	1.29	25.93	160	0
Total	7.36	143.60		
Hydro				
KDPH	0.44	7.46	19	19
VTRNA	0.00	0.00	0	0
TILLARI	0.60	8.88	60	0
BHTGR/VEER	0.00	0.09	0	0
BHIRA T.R.	0.27	3.90	80	0
RNGR+BHTSA	0.35	6.79	15	14
BHANDARDRA	0.45	1.60	27	14
ELDARY	0.36	5.64	15	14
SMLHY_PTN	0.41	9.94	17	16
GHATGHAR	0.00	10.93	0	0
Total	2.88	55.23		
Wind				
Total	8.36	192.37	0	0
Total	8.36	192.37		
CPP				
APML(Mus)	74.98	1450.27	0	0
JSWEL(Mus)	24.18	466.96	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	5.62	193.22	0	0
WPCL(Mus)	5.15	58.47	0	0
Other(Mus)	16.06	321.04	0	0
Total	126.00	2489.96		
SOLAR				
Total	6.98	130.75	0	0
Total	6.98	130.75		
Tata				
Trombay 5	9.44	178.75	485	311
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	96.22	243	174
TATA Hydro	4.65	86.21	459	2
Total	19.04	363.84		
AEML				
DTPS U-1&2	10.43	180.21	501	372
Total	10.43	180.21		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	162.73	2756.84	MSPGCL Total	180.00	3121.14
			MSPGCL Thml+Gas	169.76	2922.32	Koyna 1,2 & 4 Total	6.07	117.66
			MSPGCL Hydro	10.24	198.82	State Total	350.82	6478.27

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/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	6631	154	427	7212	205	4861	0	0	5541	5668	-1246	16700	0	16700	2116	18816	50.00
2	6556	120	429	7104	219	4852	0	0	5427	5354	-1093	16436	0	16436	1960	18396	50.02
3	6519	126	428	7072	237	4697	0	0	5384	5013	-982	16038	0	16038	1847	17884	50.01
4	6475	130	431	7036	284	4646	0	0	5367	5246	-900	16312	0	16312	1765	18076	50.02
5	6572	120	432	7124	358	4757	0	0	5415	5412	-892	16760	0	16760	1755	18514	50.06
6	6896	148	422	7466	473	5075	0	0	5871	5789	-966	17836	0	17836	1857	19694	50.02
7	7136	446	441	8022	510	5230	0	3	6159	5985	-759	18992	0	18992	2027	21018	49.97
8	7109	840	422	8372	397	5537	0	92	6108	6023	-843	19578	0	19578	2189	21766	49.98
9	7065	896	425	8386	379	5512	0	370	6273	6344	-986	20004	0	20004	2451	22456	49.95
10	7044	528	425	7998	410	5316	0	649	6810	6760	-1148	19984	0	19984	2753	22738	50.01
11	6967	328	419	7714	352	5511	0	830	7181	7324	-1288	20444	0	20444	2954	23398	50.01
12	6912	520	146	7578	322	5505	0	983	7801	8036	-1333	21092	0	21092	3018	24110	50.02
13	6971	878	50	7898	226	5496	0	1008	7826	7435	-1448	20616	0	20616	2963	23578	50.02
14	6990	522	104	7616	182	5532	0	942	7534	7695	-1390	20578	0	20578	2838	23416	50.04
15	6930	608	149	7686	165	5529	0	882	7601	7622	-1382	20503	0	20503	2868	23371	49.98
16	6997	812	215	8024	189	5488	0	672	7409	7222	-1372	20222	0	20222	2872	23094	49.93
17	6981	820	206	8006	172	5532	0	400	6746	6529	-1362	19278	0	19278	2861	22138	49.97
18	6988	394	204	7586	268	5470	0	137	6235	6288	-1511	18238	0	18238	2778	21016	50.01
19	6927	354	216	7498	287	5402	0	9	5667	5537	-1468	17264	0	17264	2738	20002	50.00
20	6731	336	203	7270	401	5358	0	0	5828	5572	-1467	17134	0	17134	2700	19834	50.02
21	6430	316	205	6950	564	5185	0	0	5438	5331	-1399	16632	0	16632	2570	19202	50.03
22	6357	274	214	6846	636	5107	0	0	5405	5403	-1332	16660	0	16660	2429	19088	50.00
23	6311	252	204	6768	601	5145	0	0	5533	5711	-1474	16750	0	16750	2337	19088	49.99
24	6238	318	215	6772	523	5260	0	0	5524	5568	-1380	16742	0	16742	2245	18988	50.00
MUs	162.73	10.24	7.03	180.01	8.36	126.00	0.00	6.98	150.08	148.87	-29.42	440.79	0.00	440.79	58.89	499.68	50.00

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 20/Feb/2020

Position as on 6.30 Hrs of 21/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 A0	120	20/02/2020	11.20	20/02/2020	13.39	Gas shortage	
MSPGCL	Uran Unit 7	108	20/02/2020	11.20	20/02/2020	14.16	Gas shortage	
MSPGCL	Uran Unit 6	108	20/02/2020	11.20	20/02/2020	23.22	Gas shortage	
MSPGCL	Uran Unit B0	120	20/02/2020	11.20	21/02/2020	02.06	Gas shortage	
MSPGCL	Uran Unit 5	108	20/02/2020	11.20	20/02/2020	12.05	Gas shortage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Feb/2020

Statement-VII

Position as on 6.30 Hrs of 21/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		Continued.	PO	Y and B phase CT Replacement work
Bhusawal-Aurangabad	IntraState	19/02/2020	18.03	20/02/2020	06.19	HT	Over Voltage
New Koyna - Dabhol - II	IntraState	20/02/2020	08.58	20/02/2020	19.54	PO	Testing Work
Khadka-Aurangabad (Waluj)	IntraState	20/02/2020	20.13	21/02/2020	06.19	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 II @Lamboti	IntraState	20/02/2020	11.37	20/02/2020	16.58	PO	connecting Jumps from 29C Isolator to 29D 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)
Khaparkheda-Butibori 3	InterState	20/02/2020	18.35	20/02/2020	19.27	T	Distance Protection
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
Trombay Carnac 5	IntraState	19/02/2020	22.59	20/02/2020	00.57	EO	SF6 Gas Filling in GIS Compartment
Bhira Dharavi 7	IntraState	20/02/2020	06.06	20/02/2020	08.53	PO	Taking of Measurement at Loc.No.108 for NMIA work
Apta - Kalwa1	IntraState	20/02/2020	07.19	20/02/2020	20.53	PO	Replacement of Isolator
Pusad-Ghatodi	IntraState	20/02/2020	08.37	20/02/2020	17.18	HT	CT Replacement work
Maisal-Jath I	IntraState	20/02/2020	09.12	20/02/2020	19.20	PO	Cold Washing of Insulator
Mumewadi -Halkarni ckt-II	IntraState	20/02/2020	09.37	20/02/2020	17.24	EO	Replacement of Old Suspension Insulator
REL Borivali Aarey Line	IntraState	20/02/2020	10.13	20/02/2020	18.41	PO	Jumpering on R Phase of 33KV Line below Aarey-AEML Borivali Line
Warora - Wardha	IntraState	20/02/2020	11.12	20/02/2020	16.15	PO	Routine Maintenance Work
Pirangut - Hinjawadi 2	IntraState	20/02/2020	18.06	20/02/2020	19.18	EO	Removal of Flex
220 KV ICT Outages/Trippings							
220/132-110kv 100mva Ptr 2 @Oglewadi	IntraState	20/02/2020	11.10	20/02/2020	18.09	PO	Attending Oil Leakage
220/132kv 150MVA ICT-II @ Bhenda	IntraState	20/02/2020	18.10	20/02/2020	23.55	EO	OLTC work

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