

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Mar/2017 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	130.893	2516.740	1) Gujrat	-2.207	1.946
2) Hydro	8.022	216.979	2) Madhya Pradesh	18.144	289.480
3) Gas	10.512	207.587	3) Chattisgarh	8.750	169.950
Total MSPGCL	149.427	2941.306	4) Maharashtra Net	125.659	2586.179
B) 1) APML	73.724	1416.925	5) Goa (Amona)	-0.726	-13.314
2) JSWEL	17.507	328.089	Total	149.620	3034.241
3) VIPL	12.853	162.824	a) Mumbai Schedule	22.383	386.220
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	25.461	439.106
5) WPCL	3.753	61.944	c) MSEDCL Bilateral *	36.527	711.282
6) PGPL	0.000	0.000	Include PX	8.458	142.242
7) Other IPP	5.940	119.567	d) Mumbai Bilateral *	22.383	386.220
C) 1) TPCL Thermal	13.517	280.601	Include PX	4.410	119.948
2) TPCL Hydro	5.309	75.186	Include Standby	0.000	0.000
3) TPCL Gas	4.522	88.878	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.061	205.374	1) MSEDCL	396.857	7824.542
D) STATE			2) Mumbai Discoms	58.869	1089.136
1) Thermal	268.248	5092.064	TOTAL STATE	455.726	8913.678
(A1+C1+C4+(B1-B6))					
2) Hydro	13.331	292.165			
(A2+C2)					
3) Gas	15.034	296.465			
(A3+B6+C3)					
4) Wind	8.040	170.758			
6) SOLAR	1.454	27.994			
TOTAL STATE	306.107	5879.446			

* 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 15 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5791	5769	5677	4889
MSPGCL Hydro	586	374	459	100
MSPGCL Gas	417	412	440	457
MSPGCL Total Generation	6794	6555	6576	5446
Central Sector Receipt	7067	7409	5935	5318
WIND	229	126	181	497
CPP / IPP Thermal	4856	4975	5003	4190
CPP / IPP Gas	0	0	0	0
SOLAR	201	173	0	0
Exchange with Mumbai	-1335	-1149	-1281	-599
MSEDCL DEMAND MET	17812	18089	16414	14852
Load Shedding	0	0	0	0
MSEDCL DEMAND	17812	18089	16414	14852
TPCL GENERATION	1233	1290	1090	691
R-INFRA GENERATION	488	509	388	387
MUMBAI DEMAND	3056	2948	2759	1677
STATE DEMAND MET	20868	21037	19173	16529
STATE DEMAND	20868	21037	19173	16529
Frequency (Hz)	49.91	49.92	49.97	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 18:02 Hrs	49.71 Hz at 12:19 Hrs	49.95	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/Mar/2017

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	13.54	268.09	649	480
Unit 9	8.88	172.57	401	300
Unit 10	0.00	0.00	0	0
Total	22.42	440.66		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	9.06	0	0
Unit 4	10.50	207.15	510	365
Unit 5	10.51	207.46	510	360
Total	21.01	423.67		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.30	107.26	250	190
Unit 7	5.33	104.73	253	187
Unit 8	0.24	1.24	79	0
Total	10.86	213.23		
Chandrapur				
Unit 3	4.54	88.65	194	175
Unit 4	4.59	74.94	196	173
Unit 5	10.17	200.70	450	370
Unit 6	10.47	170.97	450	370
Unit 7	0.00	0.00	0	0
Unit 8	9.18	120.76	405	350
Unit 9	8.12	148.83	376	0
Total	47.07	804.84		
Paras				
Unit 3	5.70	16.72	260	195
Unit 4	5.66	110.11	256	196
Total	11.36	126.83		
Khaparkheda				
Unit 1	0.00	6.32	0	0
Unit 2	0.00	57.16	0	0
Unit 3	0.00	43.03	0	0
Unit 4	0.00	26.57	0	0
Unit 5	10.02	207.83	470	380
Total	10.02	340.90		
Nasik				
Unit 3	4.10	83.74	180	165
Unit 4	4.05	82.86	171	163
Unit 5	0.00	0.00	0	0
Total	8.15	166.60		
Uran				
All Units	10.51	207.59	466	400
Total	10.51	207.59		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.15	2.24	50	0
Total	0.15	2.24		
Koyna				
Stage 1-2	3.58	55.78	425	40
Stage 4	0.35	44.02	222	0
Stage 3	1.22	22.10	160	0
Total	5.14	121.91		
Hydro				
KDPH	0.42	16.23	18	17
VTRNA	1.08	24.00	59	0
TILLARI	0.00	7.52	0	0
BHTGR/VEER	0.00	0.53	0	0
BHIRA T.R.	0.18	3.97	80	0
RNGR+BHTSA	0.32	6.27	14	13
BHANDARDRA	0.48	9.60	35	12
ELDARY	0.00	2.83	0	0
SMLHY_PTN	0.40	10.31	17	16
GHATGHAR	0.00	13.81	0	0
Total	2.88	95.07		
Wind				
Total	8.04	170.76	0	0
Total	8.04	170.76		
CPP				
APML(Mus)	73.72	1416.92	0	0
JSWEL(Mus)	17.51	328.09	0	0
VIPL(Mus)	12.85	162.82	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	3.75	61.94	0	0
Other(Mus)	5.94	119.57	0	0
Total	113.78	2089.35		
SOLAR				
Total	1.45	27.99	0	0
Total	1.45	27.99		
Tata				
Trombay 5	8.47	177.38	492	300
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.90	56.95	124	109
Trombay 7B	1.62	31.92	69	64
Trombay 8	5.04	103.22	250	199
TATA Hydro	5.31	75.19	459	44
Total	23.35	444.66		
R-INFRA				
DTPS U-1&2	10.06	205.37	511	386
Total	10.06	205.37		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	130.89	2516.74	MSPGCL Total	149.43	2941.31
			MSPGCL Thml+Gas	141.40	2724.33	Koyna 1,2 & 4 Total	3.93	99.81
			MSPGCL Hydro	8.02	216.98	State Total	306.11	5879.45

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/Mar/2017

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	5032	115	456	5603	504	4567	0	0	5781	5716	-951	15439	0	15439	2025	17464	49.95
2	5022	100	456	5578	453	4369	0	0	5620	5481	-754	15127	0	15127	1832	16959	49.95
3	5004	106	455	5565	413	4230	0	0	5575	5251	-650	14809	0	14809	1725	16534	49.97
4	4889	100	457	5446	497	4190	0	0	5532	5318	-599	14852	0	14852	1677	16529	49.96
5	4887	107	457	5451	593	4166	0	0	5582	5717	-589	15338	0	15338	1665	17003	49.97
6	5257	255	466	5978	599	4344	0	0	5833	5722	-612	16031	0	16031	1767	17798	49.98
7	5673	351	444	6468	586	4785	0	0	6067	6042	-762	17119	0	17119	1912	19031	49.96
8	5594	342	461	6397	542	4812	0	27	6829	6546	-872	17452	0	17452	2091	19543	49.96
9	5330	274	439	6043	582	4830	0	78	6984	7027	-943	17617	0	17617	2374	19991	49.93
10	5311	283	428	6022	573	4826	0	135	6476	6342	-1239	16659	0	16659	2763	19422	49.92
11	5537	370	437	6344	408	4841	0	170	6881	6831	-1382	17212	0	17212	2934	20146	49.94
12	5791	586	417	6794	229	4856	0	201	7274	7067	-1335	17812	0	17812	3056	20868	49.91
13	5781	626	416	6823	94	4916	0	197	7256	7132	-1179	17983	0	17983	3022	21005	49.90
14	5782	475	414	6671	76	4925	0	198	7186	7031	-1125	17776	0	17776	2911	20687	49.94
15	5769	374	412	6555	126	4975	0	173	7220	7409	-1149	18089	0	18089	2948	21037	49.92
16	5813	539	400	6752	127	4987	0	146	7251	7166	-1163	18015	0	18015	2972	20987	49.90
17	5785	552	432	6769	189	4976	0	92	6719	6509	-1202	17333	0	17333	2952	20285	49.95
18	5786	414	436	6636	169	4997	0	35	6234	6446	-1252	17031	0	17031	2856	19887	49.97
19	5566	242	426	6234	168	4991	0	2	6213	5850	-1339	15906	0	15906	2754	18660	49.92
20	5677	459	440	6576	181	5003	0	0	6188	5935	-1281	16414	0	16414	2759	19173	49.97
21	5841	273	424	6538	221	4987	0	0	6207	5635	-1376	16005	0	16005	2655	18660	49.96
22	5458	208	442	6108	271	4753	0	0	6116	5710	-1289	15553	0	15553	2492	18045	49.97
23	5110	328	449	5887	217	4558	0	0	5899	5922	-1223	15361	0	15361	2399	17760	49.94
24	5198	543	448	6189	222	4891	0	0	5843	5815	-1195	15922	0	15922	2329	18251	49.96
MUs	130.89	8.02	10.51	149.43	8.04	113.78	0.00	1.45	152.77	149.62	-25.46	396.86	0.00	396.86	58.87	455.73	49.95

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/Mar/2017

Position as on 6.30 Hrs of 21/Mar/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown,(AOH for 06.03.2016 To 04.04.2016) Unit Test synch.07.04.2016 (12.03 To 12.30hrs)After overhaul	
MSPGCL	Chandrapur Unit 7	500	25/01/2017	19.32		Continued.	Turbine Problem, continued under COH	
MSPGCL	Koyna Unit 7	80	10/02/2017	11.20	20/03/2017	19.50	Maintenance Work.	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	SWPGL U-2	135	29/02/2016	21.46		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	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	ID Fan problem, Converted to Zero Schedule By MSEDCL from 00.00hrs/22-9-16. Shutdown taken on 18.10.2016 at 00:00Hrs for Turbine inspection and maintenance work	
IPP	RPL(AMT) U-5	270	15/11/2016	20.00		Continued.	Zero schedule by MSEDCL	
IPP	RPL(AMT) U-4	270	16/11/2016	21.03		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-2	270	16/11/2016	22.36		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-1	270	17/11/2016	17.23		Continued.	Zero Schedule by MSEDCL	
IPP	JSW (J) U2	300	01/12/2016	00.00		Continued.	No Schedule	
MSPGCL	Koradi Unit 10	660	07/02/2017	00.10		Continued.	Work Of PG Test.	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Koradi Unit 7	210	15/02/2017	14.18		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Nasik Unit 5	210	24/02/2017	14.30		Continued.	Zero Schedule.	
MSPGCL	Khaparkheda Unit 1	210	02/03/2017	13.08		Continued.	zero schedule.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 20/Mar/2017

Position as on 6.30 Hrs of 21/Mar/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Bhusawal Unit 3	210	03/03/2017	06.42		Continued.	zero schedule	
MSPGCL	Khaparkheda Unit 4	210	07/03/2017	07.19		Continued.	Boiler Tube Leakage	
CPP	SWPGL U-3	135	08/03/2017	15.00	20/03/2017	08.45	Coal Shortage	
MSPGCL	Khaparkheda Unit 3	210	10/03/2017	23.50		Continued.	Zero Schedule.	
MSPGCL	Khaparkheda Unit 2	210	16/03/2017	12.02		Continued.	Boiler Tube Leakage	
MSPGCL	Koyna STG- IV Unit - 1	250	17/03/2017	10.45		Continued.	Turbine bearing Vabration high	
MSPGCL	Parli Unit 8	250	18/03/2017	18.45	20/03/2017	20.45	Generator Protection operated	
MSPGCL	Chandrapur Unit 9	500	20/03/2017	22.38		Continued.	Station Incomer Supply Fail.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Mar/2017

Statement-VII

Position as on 6.30 Hrs of 21/Mar/2017

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 2	IntraState	20/03/2017	22.38		Continued.	T	Due To B Phase CT Burst At Chandrapur End.
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar I	InterState	19/03/2017	18.24	20/03/2017	09.41	HT	Over Voltage
Dabhol Nagothane II	InterState	20/03/2017	10.10	20/03/2017	19.19	PO	Tree Cuting & Line Maintenance Work.
Dhule Sar'Sarovar I	InterState	20/03/2017	22.17		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	19/03/2017	18.08	20/03/2017	08.05	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	19/03/2017	20.49	20/03/2017	06.23	HT	Over Voltage
Akola - Bhusawal	IntraState	20/03/2017	07.12	20/03/2017	08.31	T	Distance Protection
Pune(GIS)-Parli(PG) Ckt 2	IntraState	20/03/2017	08.48	20/03/2017	09.41	T	Distance Protection
Karad-Jaigad - I	IntraState	20/03/2017	09.02		Continued.	PO	Replacement Of Insulator Work RFC 20:41.
Khadka-Aurangabad (Waluj)	IntraState	20/03/2017	20.52	21/03/2017	05.57	HT	Over Voltage
Jaigad-New Koyna Ckt-I	IntraState	21/03/2017	05.46		Continued.	T	Distance Protection
400 KV ICT Outages/Trippings							
400/220kv 315 Mva ICT I @Karad	IntraState	20/03/2017	16.25	20/03/2017	17.51	PO	Attending Hot Spot
220 KV LINE Outages/Trippings							
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Chandrapur GCR - Wani	IntraState	05/04/2015	09.15		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Miraj - Mhaishal	IntraState	14/03/2017	14.50		Continued.	PO	Construction Work.
Main Bus-I@Versova	IntraState	20/03/2017	06.38	20/03/2017	10.18	PO	Jumper Reconnecting Work.
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	20/03/2017	10.24	20/03/2017	15.46	PO	Routine Maintenance Work
Borivali - Ghodbunder	IntraState	20/03/2017	11.48	21/03/2017	04.31	PO	Replacement Work Stub Bus Conductor.
Uran - Apta II	IntraState	20/03/2017	12.01	20/03/2017	16.44	PO	Distance Relay Testing Work
Nasik - Raymond	IntraState	20/03/2017	12.16	20/03/2017	14.04	PO	CT Jumper Replacement.
Talandge(400kv)- Sawantwadi(Insul	IntraState	20/03/2017	12.16	20/03/2017	13.51	PO	LINE SIGNATURE ANALYSIS.
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Failed on internal Fault(Now repaired and ready for commissioning)
220/100 Kv 200 MVA ICT-I @Borivali	IntraState	20/03/2017	12.08	21/03/2017	03.06	PO	SAFETY PURPOSE DUE TO STUB BUS CONDUCTOR REPLACEMENT.
100 KV LINE Outages/Trippings							
Borivali II - TATA II	IntraState	20/03/2017	12.06	21/03/2017	03.18	PO	DUE TO ICT OUTAGE.

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