

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Mar/2018 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	144.520	2825.679	1) Gujrat	-2.183	-6.764
2) Hydro	15.090	280.063	2) Madhya Pradesh	18.476	397.133
3) Gas	10.098	144.538	3) Chattisgarh	5.490	123.910
Total MSPGCL	169.708	3250.280	4) Maharashtra Net	109.050	2285.507
B) 1) APML	44.958	883.895	5) Goa (Amona)	-0.638	-13.750
2) JSWEL	20.490	373.091	Total	130.195	2786.036
3) VIPL	12.185	194.323	a) Mumbai Schedule	23.135	437.005
4) RPL(AMT)	18.886	327.488	b) Mumbai Drawl	26.759	477.538
5) WPCL	4.222	79.790	c) MSEDCL Bilateral *	33.813	751.563
6) PGPL	0.000	0.000	Include PX	2.552	184.089
7) Other IPP	14.238	235.827	d) Mumbai Bilateral *	23.135	437.005
C) 1) TPCL Thermal	15.078	311.904	Include PX	4.709	106.274
2) TPCL Hydro	4.612	79.233	Include Standby	0.000	0.000
3) TPCL Gas	4.466	73.938	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.851	221.282	1) MSEDCL	401.658	7840.779
D) STATE			2) Mumbai Discoms	61.766	1163.912
1) Thermal	285.428	5453.279	TOTAL STATE	463.424	9004.691
(A1+C1+C4+(B1-B6))					
2) Hydro	19.702	359.296			
(A2+C2)					
3) Gas	14.564	218.476			
(A3+B6+C3)					
4) Wind	9.686	121.764			
6) SOLAR	3.849	65.823			
TOTAL STATE	333.229	6218.638			

* 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 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6122	6233	6210	5756
MSPGCL Hydro	1569	997	339	173
MSPGCL Gas	418	393	413	432
MSPGCL Total Generation	8109	7623	6962	6361
Central Sector Receipt	6203	6277	5065	4896
WIND	162	485	700	190
CPP / IPP Thermal	4835	4886	4768	4412
CPP / IPP Gas	0	0	0	0
SOLAR	535	343	0	0
Exchange with Mumbai	-1376	-1324	-1252	-768
MSEDCL DEMAND MET	18468	18290	16243	15091
Load Shedding	0	0	0	0
MSEDCL DEMAND	18468	18290	16243	15091
TPCL GENERATION	1229	1239	1138	701
R-INFRA GENERATION	499	504	485	376
MUMBAI DEMAND	3104	3067	2875	1845
STATE DEMAND MET	21572	21357	19118	16936
STATE DEMAND	21572	21357	19118	16936
Frequency (Hz)	50.00	49.94	49.97	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 18:04 Hrs	49.81 Hz at 14:14 Hrs	49.98	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/2018

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	9.04	185.89	421	349
Unit 9	9.02	203.28	402	350
Unit 10	8.84	253.28	410	343
Total	26.90	642.44		
Bhusawal				
Unit 3	4.54	25.98	200	160
Unit 4	11.54	226.66	490	475
Unit 5	11.78	229.70	500	480
Total	27.86	482.35		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.72	113.31	250	198
Unit 7	0.00	101.53	0	0
Unit 8	5.40	108.89	245	190
Total	11.12	323.72		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	10.75	213.03	470	425
Unit 6	0.00	0.00	0	0
Unit 7	0.00	50.03	0	0
Unit 8	11.40	163.25	485	460
Unit 9	11.21	224.06	481	442
Total	33.37	650.37		
Paras				
Unit 3	6.00	94.69	254	235
Unit 4	5.96	116.22	252	228
Total	11.97	210.91		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	4.71	26.73	205	185
Unit 3	4.87	53.11	211	180
Unit 4	4.59	78.19	215	9
Unit 5	10.70	200.58	502	200
Total	24.86	358.61		
Nasik				
Unit 3	0.00	3.83	0	0
Unit 4	4.10	82.25	178	162
Unit 5	4.34	71.20	195	164
Total	8.44	157.28		
Uran				
All Units	10.10	144.54	435	393
Total	10.10	144.54		
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)	0.05	0.80	24	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.05	0.80		
Koyna				
Stage 1-2	3.52	72.02	405	40
Stage 4	5.67	96.83	700	0
Stage 3	1.89	35.96	240	0
Total	11.08	204.81		
Hydro				
KDPH	0.00	11.22	0	0
VTRNA	1.44	23.56	61	59
TILLARI	0.42	3.83	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.15	3.77	80	0
RNGR+BHTSA	0.28	6.14	12	11
BHANDARDRA	0.46	7.60	20	19
ELDARY	0.00	0.42	0	0
SMLHY_PTN	0.70	13.20	30	29
GHATGHAR	0.56	5.50	125	0
Total	4.01	75.25		
Wind				
Total	9.69	121.76	0	0
Total	9.69	121.76		
CPP				
APML(Mus)	44.96	883.90	0	0
JSWEL(Mus)	20.49	373.09	0	0
VIPL(Mus)	12.18	194.32	0	0
RPLAMT(Mus)	18.89	327.49	0	0
WPCL(Mus)	4.22	79.79	0	0
Other(Mus)	14.24	235.83	0	0
Total	114.98	2094.41		
SOLAR				
Total	3.85	65.82	0	0
Total	3.85	65.82		
Tata				
Trombay 5	9.68	202.30	489	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.84	45.36	119	116
Trombay 7B	1.63	28.58	69	66
Trombay 8	5.40	109.60	245	199
TATA Hydro	4.61	79.23	408	0
Total	24.16	465.08		
R-INFRA				
DTPS U-1&2	10.85	221.28	505	374
Total	10.85	221.28		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	144.52	2825.68	MSPGCL Total	169.71	3250.28
			MSPGCL Thml+Gas	154.62	2970.22	Koyna 1,2 & 4 Total	9.19	168.85
			MSPGCL Hydro	15.09	280.06	State Total	333.23	6218.64

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/Mar/2018

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	5483	167	432	6082	496	4784	0	0	5148	5288	-1102	15548	0	15548	2250	17798	50.01
2	5628	168	427	6223	325	4723	0	0	5018	5067	-911	15427	0	15427	2060	17487	49.96
3	5633	267	420	6320	239	4447	0	0	4925	5044	-823	15227	0	15227	1935	17162	49.94
4	5756	173	432	6361	190	4412	0	0	4980	4896	-768	15091	0	15091	1845	16936	50.00
5	5894	172	432	6498	236	4477	0	0	5075	4796	-736	15271	0	15271	1822	17093	49.99
6	5953	183	433	6569	348	4814	0	0	5163	5313	-700	16344	0	16344	1909	18253	49.95
7	5936	1191	433	7560	333	4864	0	0	5315	5423	-611	17569	0	17569	2066	19635	49.97
8	5948	1322	435	7705	224	4860	0	79	5213	5197	-671	17394	0	17394	2214	19608	49.99
9	6008	642	430	7080	236	4860	0	210	5194	5417	-862	16941	0	16941	2473	19414	49.99
10	6000	623	417	7040	132	4884	0	374	5456	5737	-1077	17090	0	17090	2795	19885	49.98
11	6006	1066	422	7494	138	4886	0	469	5600	5789	-1274	17502	0	17502	3016	20518	50.02
12	6122	1569	418	8109	162	4835	0	535	6159	6203	-1376	18468	0	18468	3104	21572	50.00
13	6217	1284	403	7904	209	4849	0	541	6168	6028	-1339	18192	0	18192	3073	21265	49.98
14	6192	1264	406	7862	292	4876	0	525	5606	5630	-1306	17879	0	17879	2996	20875	50.03
15	6218	1115	414	7747	431	4906	0	453	5714	5881	-1325	18093	0	18093	3054	21147	49.92
16	6233	997	393	7623	485	4886	0	343	6286	6277	-1324	18290	0	18290	3067	21357	49.94
17	6184	1046	414	7644	536	4839	0	230	5928	5753	-1321	17681	0	17681	3051	20732	49.98
18	6160	599	417	7176	571	4938	0	88	5365	5377	-1300	16850	0	16850	2974	19824	49.97
19	6118	266	421	6805	632	4618	0	2	5280	5326	-1443	15940	0	15940	2866	18806	49.98
20	6210	339	413	6962	700	4768	0	0	5157	5065	-1252	16243	0	16243	2875	19118	49.97
21	6210	158	424	6792	754	4903	0	0	5117	5087	-1274	16262	0	16262	2756	19018	49.96
22	6215	158	427	6800	669	4885	0	0	5110	5070	-1322	16102	0	16102	2597	18699	50.01
23	6202	158	417	6777	686	4862	0	0	5334	5298	-1346	16277	0	16277	2518	18795	49.99
24	5994	163	418	6575	662	4803	0	0	5354	5233	-1296	15977	0	15977	2450	18427	49.97
MUs	144.52	15.09	10.10	169.71	9.69	114.98	0.00	3.85	129.67	130.19	-26.76	401.66	0.00	401.66	61.77	463.42	49.98

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/2018

Position as on 6.30 Hrs of 21/Mar/2018

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.	
CENT.SECTOR	Tarapur 1	160	04/06/2017	19.09		Continued.	3 months outage for refuelling.	
CENT.SECTOR	Tarapur 2	160	26/12/2017	10.51		Continued.	AOH	
MSPGCL	Chandrapur Unit 6	500	04/01/2018	13.30		Continued.	Water Shortage, converted to AOH w.e.f 01.02.2018, 00:00Hrs	
MSPGCL	Uran Unit 6	108	11/02/2018	23.43		Continued.	Annual Overhaul	
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	
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.	De-commissioned on dt. 01.04.2017	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	De-commissioned on dt.02.03.2017	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Ghatghar Unit-2	125	28/07/2017	00.00		Continued.	due to common pressure shaft with unit 1.	
MSPGCL	Chandrapur Unit 3	210	03/12/2017	01.35		Continued.	Water Shortage	
MSPGCL	Chandrapur Unit 4	210	03/12/2017	14.17		Continued.	Water Shortage	
CPP	IEPL Unit 1	270	30/12/2017	23.58		Continued.	No Schedule	
IPP	Adani U-2	660	02/01/2018	15.26		Continued.	HPBP Bonnet leakage	
MSPGCL	Koradi Unit 7	210	07/01/2018	17.00		Continued.	Poor Coal Receipt.	
IPP	RPL(AMT) U-4	270	10/02/2018	16.36		Continued.	Generator Exciter Bearing oil Leakage (Out due to coal shortage w.e.f 15.02.2018)	
IPP	Adani U-4	660	12/02/2018	07.24		Continued.	Governing valve abnormal sound(Out due to coal shortage w.e.f 20.02.2018, 18:00hrs)	
IPP	JSW (J) U1	300	20/02/2018	12.06		Continued.	Turbine Vibration high.	
IPP	RPL(AMT) U-3	270	27/02/2018	00.01		Continued.	Coal Shortage	
MSPGCL	Khaparkheda Unit 1	210	27/02/2018	18.00		Continued.	Poor Coal Receipt	
MSPGCL	Nasik Unit 3	210	01/03/2018	20.40		Continued.	Poor coal Receipt From 06.03.2018	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 20/Mar/2018

Position as on 6.30 Hrs of 21/Mar/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 7	500	10/03/2018	23.06		Continued.	Water Shortage From 12/03/2018	
MSPGCL	Parli Unit 7	250	19/03/2018	03.35		Continued.	Boiler Tube Leakage	
MSPGCL	Khaparkheda Unit 4	210	19/03/2018	18.22	20/03/2018	00.53	Hot Spot in Y ph GT IV CT jumper	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Mar/2018

Statement-VII

Position as on 6.30 Hrs of 21/Mar/2018

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	17/03/2018	18.04	20/03/2018	07.01	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	20/03/2018	18.11		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	18/03/2018	20.09	20/03/2018	10.50	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	19/03/2018	19.23	20/03/2018	06.54	HT	Over Voltage
Deepnagar Waluj 1	IntraState	19/03/2018	20.18	20/03/2018	06.46	T	Distance Protection
Deepnagar Waluj 1	IntraState	20/03/2018	08.33	20/03/2018	20.01	T	Distance Protection
Padghe - Nagothane - II	IntraState	20/03/2018	10.06	20/03/2018	20.09	PO	Faulty Insulator String Replacement Work.
Kharghar-Talegaon(PG)	IntraState	20/03/2018	11.44	20/03/2018	16.23	T	Distance Protection
Khadka-Aurangabad (Waluj)	IntraState	20/03/2018	20.11	21/03/2018	06.47	HT	Over Voltage
Karad-Jaigad - I	IntraState	20/03/2018	20.28		Continued.	HT	Over Voltage
Jejuri- Koynastage-IV	IntraState	21/03/2018	00.06	21/03/2018	03.24	EO	Attending Hot Spot
400 KV ICT Outages/Trippings							
500 MVA ICT I @ Kudus	IntraState	20/03/2018	13.08	20/03/2018	19.47	PO	Stringing Of Conductor From ICT-1 LV To 220KV Inter Connecting Tower.
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/06/2017	00.01		Continued.	PO	NO SCHEDULE.
Mudshingi - Chikodi	InterState	01/06/2017	00.06		Continued.	PO	No Schedule.
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumper 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 jumper at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Kharghar-Borivali ckt II	IntraState	07/06/2017	12:23		Continued.	T	Distance Protection
Pedambe-Nerle	IntraState	23/09/2017	00.50		Continued.	T	'B'Phase CT Burst
Mumewadi -Halkarni II	IntraState	17/11/2017	10.00		Continued.	PO	Tower erection work (temporarily line would be Mumewadi-Tillari)
Halkarni - Tillari II	IntraState	17/11/2017	12.25		Continued.	PO	Tower erection work. (temporarily line would be Mumewadi-Tillari)
Kharghar-Borivali ckt I	IntraState	12/03/2018	10.00		Continued.	PO	Cable Termination work & Line Diverted To Siemenc.
Kalwa - Borivali	IntraState	20/03/2018	05.55	20/03/2018	07.45	PO	CT Problem Attending.
Miraj - Ichalkaranji II	IntraState	20/03/2018	08.10	20/03/2018	19.35	HT	Controlling Line Loading.
Talandge(400kv)- Ichalkaranji 1	IntraState	20/03/2018	08.17	20/03/2018	19.32	PO	Insulator String Replacement Work.
New Koyna - Niwali	IntraState	20/03/2018	08.50	20/03/2018	18.47	PO	Insulator String Cleaning Work.
Bombay Dyeing - Sahara	IntraState	20/03/2018	10.08	20/03/2018	19.13	PO	Insulator Washing Work.
karad - Dasgaon	IntraState	20/03/2018	10.16		Continued.	PO	Terminal Connector Replacement Work.
Parly-Parly Extn.-II	IntraState	20/03/2018	10.20	20/03/2018	14.46	PO	Measurement Of Tan Delta Of CT.
Nerle - Dasgaon	IntraState	20/03/2018	11.51	20/03/2018	19.56	PO	Terminal Connector Replacement Work.
Nadgaonpeth-Amravati	IntraState	20/03/2018	11.58	20/03/2018	12.10	T	Distance Protection
Chalishaon -Babhaleshwar	IntraState	20/03/2018	15.45	20/03/2018	19.52	HT	Due To Sparking.
Arey - TPC Borivali	IntraState	21/03/2018	01.10	21/03/2018	04.54	PO	Safety Purpose For Metro Work.
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III	IntraState	21/09/2014	09.16		Continued.	T	Failed on internal Fault(repaired

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 20/Mar/2018

Statement-VII

Position as on 6.30 Hrs of 21/Mar/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
@Borivali							and ready for commissioning)
220/100 Kv 200 MVA ICT-IV@Kalwa	IntraState	24/11/2017	01.58		Continued.	T	Buchholz PRV Operated(Failed on Internal Fault)
220/66 Kv 150 Mva Ngef Ict 1 @Gadchandur	IntraState	04/03/2018	02.55		Continued.	T	Differential protection
220/132 Kv 100 Mva Gec Ict 1 @Pusad	IntraState	20/03/2018	10.20	20/03/2018	19.30	PO	painting Work.
220/100 kV 200 MVA ICT III @Apta	IntraState	20/03/2018	11.16	20/03/2018	18.12	PO	CT TAN Delta Testing Work.