

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	122.239	2430.040	1) Gujrat	0.843	16.487
2) Hydro	7.436	212.080	2) Madhya Pradesh	15.181	281.683
3) Gas	8.074	192.247	3) Chattisgarh	7.370	129.590
Total MSPGCL	137.749	2834.367	4) Maharashtra Net	120.296	2219.225
B) 1) APML	40.526	977.667	5) Goa (Amona)	-0.572	-15.026
2) JSWEL	17.335	369.100	Total	143.118	2631.959
3) VIPL	10.014	226.600	a) Mumbai Schedule	24.027	504.706
4) RPL(AMT)	22.059	312.326	b) Mumbai Drawl	24.765	563.946
5) WPCL	4.123	82.828	c) MSEDCL Bilateral *	27.873	391.164
6) PGPL	0.000	0.000	Include PX	10.119	30.708
7) Other IPP	12.150	239.367	d) Mumbai Bilateral *	24.027	501.980
C) 1) TPCL Thermal	13.390	98.862	Include PX	7.815	127.269
2) TPCL Hydro	3.016	107.887	Include Standby	0.000	2.726
3) TPCL Gas	4.347	79.721	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	5.202	138.847	1) MSEDCL	370.893	7277.082
D) STATE			2) Mumbai Discoms	50.721	989.266
1) Thermal	247.038	4875.637	TOTAL STATE	421.614	8266.348
(A1+C1+C4+(B1-B6))					
2) Hydro	10.452	319.967			
(A2+C2)					
3) Gas	12.421	271.968			
(A3+B6+C3)					
4) Wind	4.717	104.719			
6) SOLAR	3.867	62.095			
TOTAL STATE	278.495	5634.386			

* 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 14 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	5624	5481	5110	4523
MSPGCL Hydro	476	541	236	112
MSPGCL Gas	290	276	388	305
MSPGCL Total Generation	6390	6298	5734	4940
Central Sector Receipt	7360	6939	5856	4881
WIND	232	181	218	125
CPP / IPP Thermal	4765	4832	4650	3832
CPP / IPP Gas	0	0	0	0
SOLAR	558	530	0	0
Exchange with Mumbai	-1248	-1099	-1352	-757
MSEDCL DEMAND MET	18057	17681	15106	13021
Load Shedding	0	0	0	0
MSEDCL DEMAND	18057	17681	15106	13021
TPCL GENERATION	1094	1051	919	584
R-INFRA GENERATION	251	253	190	190
MUMBAI DEMAND	2593	2403	2461	1531
STATE DEMAND MET	20650	20084	17567	14552
STATE DEMAND	20650	20084	17567	14552
Frequency (Hz)	49.98	50.03	49.98	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 12:01 Hrs	49.85 Hz at 22:10 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 20/Jan/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	23.40	0	0
Unit 8	8.97	202.32	401	327
Unit 9	9.13	155.42	405	350
Unit 10	9.12	197.20	425	330
Total	27.22	578.34		
Bhusawal				
Unit 3	0.00	32.76	0	0
Unit 4	10.06	171.30	500	350
Unit 5	10.05	201.10	490	345
Total	20.11	405.16		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.32	95.73	250	185
Unit 7	0.00	0.00	0	0
Unit 8	4.65	57.97	204	182
Total	9.97	153.70		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	10.30	201.93	475	364
Unit 6	0.00	22.82	0	0
Unit 7	10.10	200.25	460	359
Unit 8	0.00	0.00	0	0
Unit 9	10.26	201.04	487	353
Total	30.66	626.03		
Paras				
Unit 3	5.33	62.06	260	180
Unit 4	0.00	58.72	0	0
Total	5.33	120.79		
Khaparkheda				
Unit 1	1.95	22.22	160	0
Unit 2	4.07	80.36	180	160
Unit 3	0.00	0.00	0	0
Unit 4	4.08	79.18	182	160
Unit 5	10.51	203.44	500	360
Total	20.61	385.19		
Nasik				
Unit 3	4.20	56.04	193	160
Unit 4	4.15	82.72	189	158
Unit 5	0.00	22.07	0	0
Total	8.34	160.83		
Uran				
All Units	8.07	192.25	453	276
Total	8.07	192.25		
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)	0.10	3.41	35	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.10	3.41		
Koyna				
Stage 1-2	1.99	58.46	370	40
Stage 4	0.83	47.53	213	0
Stage 3	0.54	23.44	160	0
Total	3.36	129.43		
Hydro				
KDPH	0.88	10.97	37	36
VTRNA	0.91	17.83	61	0
TILLARI	0.00	3.95	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.15	6.19	60	0
RNGR+BHTSA	0.35	7.15	15	14
BHANDARDRA	0.00	0.01	0	0
ELDARY	0.00	0.33	0	0
SMLHY_PTN	0.58	14.85	35	21
GHATGHAR	1.20	21.38	125	0
Total	4.08	82.65		
Wind				
Total	4.72	104.72	0	0
Total	4.72	104.72		
CPP				
APML(Mus)	40.53	977.67	0	0
JSWEL(Mus)	17.34	369.10	0	0
VIPL(Mus)	10.01	226.60	0	0
RPLAMT(Mus)	22.06	312.33	0	0
WPCL(Mus)	4.12	82.83	0	0
Other(Mus)	12.15	239.37	0	0
Total	106.21	2207.89		
SOLAR				
Total	3.87	62.10	0	0
Total	3.87	62.10		
Tata				
Trombay 5	8.18	44.12	478	203
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.76	50.13	115	115
Trombay 7B	1.59	29.59	67	65
Trombay 8	5.21	54.75	242	198
TATA Hydro	3.02	107.89	382	0
Total	20.75	286.47		
R-INFRA				
DTPS U-1&2	5.20	138.85	253	188
Total	5.20	138.85		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	122.24	2430.04	MSPGCL Total	137.75	2834.37
			MSPGCL Thml+Gas	130.31	2622.29	Koyna 1,2 & 4 Total	2.82	105.99
			MSPGCL Hydro	7.44	212.08	State Total	278.50	5634.39

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/Jan/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	4535	112	312	4959	167	3858	0	0	5083	5171	-880	13275	0	13275	1764	15039	49.99
2	4528	112	314	4954	135	3862	0	0	5037	5027	-811	13167	0	13167	1622	14789	50.03
3	4523	112	305	4940	125	3832	0	0	4985	4881	-757	13021	0	13021	1531	14552	50.01
4	4516	123	306	4945	198	3830	0	0	4957	5003	-712	13264	0	13264	1488	14752	50.02
5	4591	113	326	5030	210	3878	0	0	5095	5183	-708	13593	0	13593	1487	15080	49.98
6	5169	118	308	5595	203	4135	0	0	5269	5547	-805	14675	0	14675	1582	16257	50.00
7	5589	118	318	6025	248	4584	0	0	6089	6168	-920	16105	0	16105	1710	17815	49.98
8	5622	545	310	6477	246	4697	0	49	6337	6333	-809	16993	0	16993	1862	18855	49.96
9	5577	601	318	6496	198	4772	0	214	6074	6208	-730	17158	0	17158	2074	19232	49.95
10	5577	620	300	6497	287	4747	0	370	6104	6395	-871	17425	0	17425	2338	19763	49.94
11	5605	482	306	6393	319	4698	0	497	6762	7016	-1229	17694	0	17694	2531	20225	49.97
12	5624	476	290	6390	232	4765	0	558	7070	7360	-1248	18057	0	18057	2593	20650	49.98
13	5590	330	287	6207	232	4805	0	521	7055	6959	-1196	17528	0	17528	2538	20066	49.99
14	5481	541	276	6298	181	4832	0	530	6718	6939	-1099	17681	0	17681	2403	20084	50.03
15	5468	514	284	6266	171	4837	0	489	6766	6846	-1128	17481	0	17481	2421	19902	50.02
16	5472	298	286	6056	152	4838	0	365	6701	6737	-1134	17014	0	17014	2436	19450	49.98
17	5477	757	301	6535	145	4987	0	231	5885	6049	-1105	16842	0	16842	2438	19280	49.99
18	5402	277	319	5998	87	4981	0	43	5732	5605	-1216	15498	0	15498	2412	17910	50.00
19	5110	236	388	5734	218	4650	0	0	5720	5856	-1352	15106	0	15106	2461	17567	49.98
20	4969	276	436	5681	289	4658	0	0	5560	5681	-1333	14976	0	14976	2473	17449	50.00
21	4540	178	437	5155	233	4269	0	0	5603	5700	-1363	13994	0	13994	2369	16363	49.99
22	4458	173	453	5084	159	3907	0	0	5410	5705	-1241	13614	0	13614	2219	15833	49.99
23	4411	177	451	5039	147	3913	0	0	5287	5444	-1098	13445	0	13445	2058	15503	49.97
24	4405	147	443	4995	135	3869	0	0	5237	5305	-1020	13284	0	13284	1910	15194	49.96
MUs	122.24	7.44	8.07	137.75	4.72	106.21	0.00	3.87	140.54	143.12	-24.77	370.89	0.00	370.89	50.72	421.61	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 20/Jan/2018

Position as on 6.30 Hrs of 21/Jan/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.	
MSPGCL	Chandrapur Unit-8	500	16/12/2017	00.16		Continued.	Annual Overhaul	
RINFRA-G	REL Unit 2	250	06/01/2018	00.46		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 U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	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	Khaparkheda Unit 3	210	12/09/2017	00.00		Continued.	Coal Shortage	
IPP	Dhariwal	300	27/10/2017	17.31		Continued.	Drum level Not Maintained	
IPP	JSW (J) U2	300	01/12/2017	24.00		Continued.	no schedule.	
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	
MSPGCL	Parli Unit 7	250	03/12/2017	23.35		Continued.	Poor Coal Receipt.	
CENT.SECTOR	Tarapur 2	160	26/12/2017	10.51		Continued.	commission of venting system.	
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	Chandrapur Unit 6	500	04/01/2018	13.30		Continued.	Water Shortage	
MSPGCL	Nasik Unit 5	210	06/01/2018	06.30		Continued.	PA Fan Problem (Not available due to Coal shortage from 07.01.2018, 14:00Hrs)	
MSPGCL	Koradi Unit 7	210	07/01/2018	17.00		Continued.	Poor Coal Receipt.	
MSPGCL	Bhusawal Unit 3	210	11/01/2018	23.33		Continued.	poor coal receipt.	
MSPGCL	Paras Unit 4	250	12/01/2018	00.01		Continued.	Water Shortage	

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

Position as on 6.30 Hrs of 21/Jan/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koyana STG-IV Unit-3	250	15/01/2018	11.15		Continued.	GTA/GEV Emergency stop relay operated.	
MSPGCL	Uran Unit 8	108	17/01/2018	13.41		Continued.	vibration testing.	
IPP	Adani U-5	660	18/01/2018	23.08		Continued.	bunkering problem.	
IPP	RPL(AMT) U-2	270	19/01/2018	06.50		Continued.	Cooling Water Line Leakage	
MSPGCL	Uran Unit 5	108	20/01/2018	00.05	20/01/2018	16.42	Maintenance work	
MSPGCL	Khaparkheda Unit 1	210	20/01/2018	12.47	21/01/2018	21.07	Boiler Tube Leakage	
MSPGCL	Paras Unit 3	250	21/01/2018	06.45		Continued.	Boiler Tube Leakage	

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

Statement-VII

Position as on 6.30 Hrs of 21/Jan/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	19/01/2018	09.05	21/01/2018	10.50	PO	Insulator Replacement Work
Padgha Tarapur I	InterState	20/01/2018	04.04	20/01/2018	06.54	T	Over Voltage
Dhule(MS)- Dhule(BDTCL) -II	InterState	20/01/2018	08.51	20/01/2018	17.53	PO	Maintenance by Powergrid
Dhule Sar'Sarovar I	InterState	21/01/2018	17.12		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	18/01/2018	17.45	20/01/2018	10.56	HT	Over Voltage
Main Bus - II @ Kalwa	IntraState	19/01/2018	08.29	21/01/2018	19.12	PO	OH & servicing of Pantograph isolator.
Kalwa - Kharghar	IntraState	19/01/2018	08.47	20/01/2018	20.45	PO	Taken on TBC
Khadka-Aurangabad (Waluj)	IntraState	19/01/2018	16.51	20/01/2018	07.17	HT	Over Voltage
Karad - Jaigad - II	IntraState	19/01/2018	19.57	20/01/2018	09.56	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	20/01/2018	17.39	21/01/2018	12.35	HT	Over Voltage
karad -kolhapur-I	IntraState	20/01/2018	18.04	21/01/2018	10.07	HT	Over Voltage
Karad - Jaigad - II	IntraState	20/01/2018	18.08	21/01/2018	10.04	HT	Over Voltage
Kalwa - Talegaon(PG)	IntraState	21/01/2018	06.45	21/01/2018	13.58	PO	Isolator maintenance work
Padghe - Kalwa-II	IntraState	21/01/2018	14.18	21/01/2018	16.58	PO	Annual Maintenance Work
Khadka-Aurangabad (Waluj)	IntraState	21/01/2018	16.51		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	21/01/2018	18.24		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	21/01/2018	18.28		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 kV 500 MVA ICT-III @ Kalwa	IntraState	21/01/2018	17.13	21/01/2018	19.36	PO	Isolater maintenance work
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.
Maisal-Jath I	InterState	20/01/2018	12.09	20/01/2018	19.57	PO	Replacement work
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.
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 II	IntraState	07/12/2017	12.23		Continued.	T	Distance Protection
Nagothane - Ipcl	IntraState	16/01/2018	11.42		Continued.	PO	Line Bunching Work For Height Rising For Railway Line.
IPCL - SPCL	IntraState	16/01/2018	12.07		Continued.	PO	Line Bunching Work Height Rising For Railway Line.
Jambhul - Anandnagar	IntraState	18/01/2018	09.20	20/01/2018	20.30	PO	replacement of circuit breaker.
Apta - Hoc	IntraState	19/01/2018	11.40	21/01/2018	17.24	PO	Routine Maintenance Work
Chakan I - Chakan II (tap to Volkswagen)	IntraState	20/01/2018	09.00	20/01/2018	18.50	PO	Yearly maintenance work
Kharepatan -Pawas Line	IntraState	20/01/2018	09.18	20/01/2018	18.36	PO	Insulator Replacement Work
Dahanu Versova	IntraState	20/01/2018	09.23	20/01/2018	21.42	PO	Line Maintenance work
Kandalgaon - Koyna	IntraState	20/01/2018	15.00	20/01/2018	17.30	T	Distance Protection
Dasturi-Kandalgaon Line	IntraState	20/01/2018	15.02	20/01/2018	17.50	T	Distance Protection

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/Jan/2018

Statement-VII

Position as on 6.30 Hrs of 21/Jan/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
GIS Bhandup - Borivali	IntraState	20/01/2018	15.21	20/01/2018	17.00	PO	Attending Hot Spot
Kandalgaon - Sona Alloys	IntraState	20/01/2018	16.55	20/01/2018	17.20	T	Distance Protection
Trombay - Kalwa	IntraState	21/01/2018	07.15	21/01/2018	17.53	PO	Routine Maintenance Work
Tata Borivli MSETCL Borivli 5	IntraState	21/01/2018	07.55	21/01/2018	16.14	PO	GIS Work
Vita - Mhaishal	IntraState	21/01/2018	11.15	21/01/2018	14.53	PO	Jumper Replacement of CT
Padgha-Temghar-II	IntraState	21/01/2018	22.25		Continued.	HT	CT Replacment work
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-IV@Kalwa	IntraState	24/11/2017	01.58		Continued.	T	Buchholz PRV Operated(Failed on Internal Fault)
220/33 Kv 50 Mva Imp Ptr 1 @Sonkar	IntraState	20/01/2018	09.00	20/01/2018	20.00	PO	Attending Oil Leakage
220/100 Kv 200 Mva Bhel Ict 1 @Kalwa	IntraState	20/01/2018	10.10	20/01/2018	10.50	PO	Safty Purpose For Crane Passing
110 KV LINE Outages/Trippings							
Kandalgaon - Roha 2	IntraState	20/01/2018	09.00	20/01/2018	18.35	PO	Line Maintenance work

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