

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Jan/2018 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	117.602	2547.642	1) Gujrat	1.101	17.588
2) Hydro	6.855	218.935	2) Madhya Pradesh	16.002	297.685
3) Gas	10.673	202.920	3) Chattisgarh	7.790	137.380
Total MSPGCL	135.130	2969.497	4) Maharashtra Net	112.164	2331.389
B) 1) APML	41.027	1018.694	5) Goa (Amona)	-0.572	-15.598
2) JSWEL	16.620	385.720	Total	136.485	2768.444
3) VIPL	10.018	236.618	a) Mumbai Schedule	20.562	525.268
4) RPL(AMT)	22.488	334.814	b) Mumbai Drawl	20.565	584.511
5) WPCL	3.950	86.778	c) MSEDCL Bilateral *	25.412	416.575
6) PGPL	0.000	0.000	Include PX	7.712	38.420
7) Other IPP	12.460	251.827	d) Mumbai Bilateral *	20.562	522.543
C) 1) TPCL Thermal	13.872	112.734	Include PX	5.086	132.355
2) TPCL Hydro	0.018	107.905	Include Standby	0.000	2.726
3) TPCL Gas	4.310	84.031	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	5.277	144.124	1) MSEDCL	365.416	7642.498
D) STATE			2) Mumbai Discoms	44.042	1033.308
1) Thermal	243.314	5118.951	TOTAL STATE	409.458	8675.806
(A1+C1+C4+(B1-B6))					
2) Hydro	6.873	326.840			
(A2+C2)					
3) Gas	14.983	286.951			
(A3+B6+C3)					
4) Wind	4.001	108.720			
6) SOLAR	3.802	65.897			
TOTAL STATE	272.973	5907.359			

* 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 24 Hrs
MSPGCL Thermal	5324	5279	4733	4311
MSPGCL Hydro	810	531	182	169
MSPGCL Gas	427	424	431	443
MSPGCL Total Generation	6561	6234	5346	4923
Central Sector Receipt	6978	6700	5651	4872
WIND	194	151	203	167
CPP / IPP Thermal	4845	4854	4433	3881
CPP / IPP Gas	0	0	0	0
SOLAR	517	556	0	0
Exchange with Mumbai	-907	-888	-1143	-955
MSEDCL DEMAND MET	18188	17607	14490	12888
Load Shedding	0	0	0	0
MSEDCL DEMAND	18188	17607	14490	12888
TPCL GENERATION	902	902	689	690
R-INFRA GENERATION	252	252	189	189
MUMBAI DEMAND	2061	2042	2021	1834
STATE DEMAND MET	20249	19649	16511	14722
STATE DEMAND	20249	19649	16511	14722
Frequency (Hz)	49.99	50.01	50.00	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 06:02 Hrs	49.86 Hz at 08:12 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 21/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	9.55	211.87	450	349
Unit 9	9.60	165.02	452	340
Unit 10	9.55	206.75	450	350
Total	28.70	607.04		
Bhusawal				
Unit 3	0.00	32.76	0	0
Unit 4	10.18	181.48	500	345
Unit 5	10.16	211.26	500	345
Total	20.34	425.50		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.99	100.72	250	164
Unit 7	0.00	0.00	0	0
Unit 8	4.58	62.55	201	182
Total	9.57	163.27		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	10.32	212.25	475	355
Unit 6	0.00	22.82	0	0
Unit 7	10.20	210.45	465	356
Unit 8	0.00	0.00	0	0
Unit 9	10.58	211.61	492	352
Total	31.10	657.13		
Paras				
Unit 3	1.32	63.38	228	0
Unit 4	0.00	58.72	0	0
Total	1.32	122.10		
Khaparkheda				
Unit 1	0.22	22.44	95	0
Unit 2	4.06	84.41	180	160
Unit 3	0.00	0.00	0	0
Unit 4	3.96	83.14	175	160
Unit 5	9.89	213.33	480	360
Total	18.13	403.33		
Nasik				
Unit 3	4.25	60.29	193	160
Unit 4	4.19	86.90	187	159
Unit 5	0.00	22.07	0	0
Total	8.44	169.26		
Uran				
All Units	10.67	202.92	473	418
Total	10.67	202.92		
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)	0.07	3.48	40	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.07	3.48		
Koyna				
Stage 1-2	2.44	60.90	435	40
Stage 4	0.00	47.53	0	0
Stage 3	0.69	24.14	80	0
Total	3.14	132.57		
Hydro				
KDPH	0.88	11.85	37	36
VTRNA	0.79	18.62	61	0
TILLARI	0.00	3.95	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.15	6.34	80	0
RNGR+BHTSA	0.34	7.49	15	14
BHANDARDRA	0.00	0.01	0	0
ELDARY	0.00	0.33	0	0
SMLHY_PTN	0.51	15.36	31	18
GHATGHAR	1.05	22.43	125	0
Total	3.72	86.36		
Wind				
Total	4.00	108.72	0	0
Total	4.00	108.72		
CPP				
APML(Mus)	41.03	1018.69	0	0
JSWEL(Mus)	16.62	385.72	0	0
VIPL(Mus)	10.02	236.62	0	0
RPLAMT(Mus)	22.49	334.81	0	0
WPCL(Mus)	3.95	86.78	0	0
Other(Mus)	12.46	251.83	0	0
Total	106.56	2314.45		
SOLAR				
Total	3.80	65.90	0	0
Total	3.80	65.90		
Tata				
Trombay 5	8.67	52.79	483	300
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.73	52.86	116	112
Trombay 7B	1.58	31.17	67	65
Trombay 8	5.20	59.95	240	198
TATA Hydro	0.02	107.90	18	0
Total	18.20	304.67		
R-INFRA				
DTPS U-1&2	5.28	144.12	252	188
Total	5.28	144.12		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	117.60	2547.64	MSPGCL Total	135.13	2969.50
			MSPGCL Thml+Gas	128.28	2750.56	Koyna 1,2 & 4 Total	2.44	108.44
			MSPGCL Hydro	6.86	218.94	State Total	272.97	5907.36

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Jan/2018

Annexure-2

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	4418	134	467	5019	103	3888	0	0	5098	5280	-870	13420	0	13420	1752	15172	50.01
2	4409	119	449	4977	110	3888	0	0	5162	5087	-740	13322	0	13322	1625	14947	50.01
3	4410	109	469	4988	127	3883	0	0	5130	5111	-658	13451	0	13451	1542	14993	50.02
4	4417	114	462	4993	129	3872	0	0	5100	5046	-613	13427	0	13427	1489	14916	50.01
5	4464	109	452	5025	150	3904	0	0	5205	5260	-614	13725	0	13725	1485	15210	50.00
6	4949	114	472	5535	181	4317	0	0	5323	5426	-670	14789	0	14789	1553	16342	50.04
7	5308	109	464	5881	183	4828	0	0	5903	5777	-677	15992	0	15992	1609	17601	50.05
8	5308	224	473	6005	204	4856	0	43	6224	6399	-663	16844	0	16844	1674	18518	49.98
9	5377	376	461	6214	172	4979	0	211	5968	5946	-677	16845	0	16845	1788	18633	49.98
10	5385	587	454	6426	191	4946	0	373	6020	6073	-778	17231	0	17231	1926	19157	49.97
11	5361	437	435	6233	199	4845	0	502	6407	6415	-882	17312	0	17312	2032	19344	49.95
12	5324	810	427	6561	194	4845	0	517	6719	6978	-907	18188	0	18188	2061	20249	49.99
13	5279	531	424	6234	151	4854	0	556	6665	6700	-888	17607	0	17607	2042	19649	50.01
14	5334	375	421	6130	122	4859	0	530	6373	6542	-803	17380	0	17380	1957	19337	50.05
15	5344	380	419	6143	129	4857	0	457	6199	6189	-751	17024	0	17024	1900	18924	50.01
16	5344	381	418	6143	104	4866	0	364	6118	6156	-801	16832	0	16832	1852	18684	49.99
17	5304	461	424	6189	75	4872	0	207	5521	5549	-866	16026	0	16026	1848	17874	49.99
18	5141	262	425	5828	71	4700	0	42	5404	5158	-941	14858	0	14858	1878	16736	50.00
19	4733	182	431	5346	203	4433	0	0	5448	5651	-1143	14490	0	14490	2021	16511	50.00
20	4653	342	443	5438	318	4185	0	0	5459	5569	-1239	14271	0	14271	2117	16388	49.99
21	4424	175	435	5034	280	4105	0	0	5443	5216	-1211	13424	0	13424	2087	15511	49.97
22	4308	180	440	4928	240	4000	0	0	5202	5020	-1154	13034	0	13034	2028	15062	50.04
23	4297	175	465	4937	198	3896	0	0	5038	5065	-1064	13032	0	13032	1942	14974	49.99
24	4311	169	443	4923	167	3881	0	0	4701	4872	-955	12888	0	12888	1834	14722	50.01
MUs	117.60	6.86	10.67	135.13	4.00	106.56	0.00	3.80	135.83	136.49	-20.57	365.42	0.00	365.42	44.04	409.46	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 21/Jan/2018

Position as on 6.30 Hrs of 22/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	22/01/2018	04.57	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 21/Jan/2018

Position as on 6.30 Hrs of 22/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	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	
MSPGCL	Bhusawal Unit 3	210	22/01/2018	05.36		Continued.	Furnace Pressure High	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jan/2018

Statement-VII

Position as on 6.30 Hrs of 22/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
Dhule Sar'Sarovar I	InterState	21/01/2018	17.12	22/01/2018	06.41	HT	Over Voltage
Main Bus - II @ Kalwa	IntraState	19/01/2018	08.29	21/01/2018	19.12	PO	OH & servicing of Pantograph isolator.
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.
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.
Apta - Hoc	IntraState	19/01/2018	11.40	21/01/2018	17.24	PO	Routine Maintenance Work
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)

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