

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	96.473	2150.423	1) Gujrat	-3.204	-42.757
2) Hydro	7.188	134.142	2) Madhya Pradesh	8.164	153.991
3) Gas	5.896	109.464	3) Chattisgarh	5.290	94.840
Total MSPGCL	109.557	2394.029	4) Maharashtra Net	104.135	2057.726
B) 1) APML	53.255	1078.312	5) Goa (Amona)	-0.528	-13.288
2) JSWEL	12.677	296.422	Total	113.857	2250.512
3) VIPL	4.322	103.831	a) Mumbai Schedule	23.392	445.403
4) RPL(AMT)	10.384	474.835	b) Mumbai Drawl	25.257	534.172
5) WPCL	4.202	83.317	c) MSEDCL Bilateral *	19.528	385.015
6) PGPL	0.000	0.000	Include PX	0.491	16.179
7) Other IPP	3.454	67.590	d) Mumbai Bilateral *	23.392	445.403
C) 1) TPCL Thermal	13.544	269.897	Include PX	7.329	141.986
2) TPCL Hydro	5.797	87.273	Include Standby	0.000	0.000
3) TPCL Gas	3.856	72.464	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.729	191.309	1) MSEDCL	340.372	7326.654
D) STATE			2) Mumbai Discoms	58.182	1155.115
1) Thermal	208.040	4715.936	TOTAL STATE	398.554	8481.769
(A1+C1+C4+(B1-B6))					
2) Hydro	12.985	221.415			
(A2+C2)					
3) Gas	9.752	181.928			
(A3+B6+C3)					
4) Wind	51.991	1041.598			
6) SOLAR	1.930	70.380			
TOTAL STATE	284.698	6231.257			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4295	3979	4018	3973
MSPGCL Hydro	407	468	328	135
MSPGCL Gas	239	249	248	253
MSPGCL Total Generation	4941	4696	4594	4361
Central Sector Receipt	5341	5198	4796	4084
WIND	2323	2276	2343	1621
CPP / IPP Thermal	3874	3693	4006	3442
CPP / IPP Gas	0	0	0	0
SOLAR	219	269	0	0
Exchange with Mumbai	-1089	-1460	-964	-681
MSEDCL DEMAND MET	15609	14672	14775	12827
Load Shedding	0	0	0	0
MSEDCL DEMAND	15609	14672	14775	12827
TPCL GENERATION	1250	1102	1286	615
R-INFRA GENERATION	489	375	496	375
MUMBAI DEMAND	2828	2937	2746	1671
STATE DEMAND MET	18437	17609	17521	14498
STATE DEMAND	18437	17609	17521	14498
Frequency (Hz)	50.05	50.00	49.97	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 16.04 Hrs	49.79 Hz at 18.41 Hrs	50.01	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/Aug/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.17	0.17	50	0
Unit 7	0.00	3.92	0	0
Unit 8	8.60	169.35	401	284
Unit 9	8.91	183.37	402	330
Unit 10	0.00	0.00	0	0
Total	17.68	356.80		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	85.26	0	0
Unit 5	9.66	188.74	480	355
Total	9.66	273.99		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	4.92	87.81	248	176
Unit 8	5.06	104.66	250	187
Total	9.98	192.47		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	3.11	64.32	153	9
Unit 5	7.23	165.75	335	270
Unit 6	7.36	101.57	361	226
Unit 7	8.33	170.82	363	320
Unit 8	5.88	156.07	260	171
Unit 9	0.00	82.86	0	0
Total	31.90	741.40		
Paras				
Unit 3	4.22	98.04	230	140
Unit 4	4.46	95.58	215	130
Total	8.68	193.62		
Khaparkheda				
Unit 1	0.00	33.37	0	0
Unit 2	1.94	64.05	110	45
Unit 3	2.88	41.71	150	87
Unit 4	2.28	71.08	143	0
Unit 5	7.49	101.82	370	193
Total	14.60	312.03		
Nasik				
Unit 3	3.98	53.20	190	157
Unit 4	0.00	26.91	0	0
Unit 5	0.00	0.00	0	0
Total	3.98	80.11		
Uran				
All Units	5.90	109.46	263	237
Total	5.90	109.46		
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)	0.06	1.37	30	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.06	1.37		
Koyna				
Stage 1-2	1.38	35.08	220	35
Stage 4	0.36	15.19	250	0
Stage 3	0.85	21.27	138	0
Total	2.58	71.54		
Hydro				
KDPH	0.81	13.14	34	33
VTRNA	0.90	6.67	61	0
TILLARI	0.82	14.53	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.43	8.28	80	0
RNGR+BHTSA	0.28	2.44	15	0
BHANDARDRA	0.34	6.80	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.54	9.91	30	20
GHATGHAR	0.48	0.82	125	0
Total	4.60	62.60		
Wind				
Total	51.99	1041.60	0	0
Total	51.99	1041.60		
CPP				
APML(Mus)	53.26	1078.31	0	0
JSWEL(Mus)	12.68	296.42	0	0
VIPL(Mus)	4.32	103.83	0	0
RPLAMT(Mus)	10.38	474.84	0	0
WPCL(Mus)	4.20	83.32	0	0
Other(Mus)	3.45	67.59	0	0
Total	88.29	2104.31		
SOLAR				
Total	1.93	70.38	0	0
Total	1.93	70.38		
Tata				
Trombay 5	8.36	165.24	476	300
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.37	45.10	117	63
Trombay 7B	1.48	27.36	68	51
Trombay 8	5.18	104.66	238	197
TATA Hydro	5.80	87.27	390	0
Total	23.20	429.63		
R-INFRA				
DTPS U-1&2	9.73	191.31	502	374
Total	9.73	191.31		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	96.47	2150.42	MSPGCL Total	109.56	2394.03
			MSPGCL Thml+Gas	102.37	2259.89	Koyna 1,2 & 4 Total	1.73	50.27
			MSPGCL Hydro	7.19	134.14	State Total	284.70	6231.26

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/Aug/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	3894	125	242	4261	2106	3581	0	0	4220	4098	-986	13060	0	13060	1973	15033	50.02
2	3951	125	252	4328	1937	3444	0	0	4131	3890	-830	12769	0	12769	1820	14589	50.04
3	4014	125	243	4382	1804	3445	0	0	3924	3917	-736	12812	0	12812	1724	14536	50.02
4	3973	135	253	4361	1621	3442	0	0	3759	4084	-681	12827	0	12827	1671	14498	50.01
5	4019	124	244	4387	1707	3483	0	0	4262	4306	-689	13194	0	13194	1677	14871	50.01
6	4258	205	253	4716	1809	3702	0	1	4630	4790	-740	14278	0	14278	1796	16074	50.00
7	4295	340	242	4877	1824	3815	0	16	5217	5212	-652	15092	0	15092	1994	17086	49.96
8	4319	614	263	5196	2018	3828	0	57	5410	5469	-654	15914	0	15914	2195	18109	50.06
9	4314	518	241	5073	2241	3850	0	100	5292	5277	-871	15670	0	15670	2518	18188	50.03
10	4295	407	239	4941	2323	3874	0	219	5436	5341	-1089	15609	0	15609	2828	18437	50.05
11	4245	361	251	4857	2458	3725	0	257	5597	5463	-1434	15326	0	15326	2977	18303	50.05
12	4019	387	238	4644	2443	3677	0	270	5377	5494	-1518	15010	0	15010	2996	18006	50.02
13	3979	468	249	4696	2276	3693	0	269	5290	5198	-1460	14672	0	14672	2937	17609	50.00
14	4034	415	248	4697	2143	3613	0	249	5231	4904	-1361	14245	0	14245	2824	17069	50.00
15	4079	290	237	4606	2147	3460	0	213	5242	5184	-1371	14239	0	14239	2848	17087	49.96
16	4021	240	249	4510	2218	3427	0	151	5200	4986	-1363	13929	0	13929	2842	16771	50.01
17	3913	365	238	4516	2515	3266	0	92	4883	5144	-1339	14194	0	14194	2817	17011	49.99
18	3819	337	238	4394	2439	3444	0	30	4837	4909	-1289	13927	0	13927	2770	16697	49.97
19	3936	491	248	4675	2574	3809	0	6	4680	4772	-1133	14703	0	14703	2763	17466	49.95
20	4018	328	248	4594	2343	4006	0	0	4910	4796	-964	14775	0	14775	2746	17521	49.97
21	3938	239	239	4416	2464	4027	0	0	4781	4638	-1043	14502	0	14502	2588	17090	49.99
22	3873	183	251	4307	2056	4012	0	0	4388	4202	-945	13632	0	13632	2426	16058	50.02
23	3654	183	239	4076	2132	3904	0	0	4509	4067	-1055	13124	0	13124	2297	15421	50.03
24	3613	183	251	4047	2393	3769	0	0	3934	3716	-1054	12871	0	12871	2156	15027	50.03
MUs	96.47	7.19	5.90	109.56	51.99	88.29	0.00	1.93	115.14	113.86	-25.26	340.37	0.00	340.37	58.18	398.56	50.01

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/Aug/2018

Position as on 6.30 Hrs of 21/Aug/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	15/07/2018	17:08		Continued.	Economic shutdown. No PPA from 01.04.2018	
MSPGCL	Parli Unit 6	250	23/07/2018	00:00		Continued.	Capital Overhaul	
MSPGCL	Koradi Unit 10	660	28/07/2018	01.09		Continued.	Annual Overhaul	
IPP	JSW (J) U2	300	28/07/2018	13.48		Continued.	Annual Overhaul	
IPP	Adani U-1	660	04/08/2018	00:00	21/08/2018	01.43	Annual Overhaul	
MSPGCL	Bhusawal Unit 4	500	10/08/2018	01.02		Continued.	Capital Overhaul	
FORCED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown. (NO PPA FROM 01.04.2018)	
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	
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	Chandrapur Unit 3	210	03/12/2017	01.35		Continued.	Water Shortage	
MSPGCL	Bhusawal Unit 3	210	21/05/2018	18.46		Continued.	IEPL Inter change	
MSPGCL	Uran Unit 6	108	09/06/2018	11.50		Continued.	GT winding short.	
MSPGCL	Ghatghar Unit-2	125	29/06/2018	01.12		Continued.	Stator Earth Fault	
IPP	IEPL Unit 1	270	11/07/2018	13.00	20/08/2018	17.04	poor coal receipt.	
MSPGCL	Nasik Unit 5	210	12/07/2018	00.00		Continued.	ZERO SCHEDULE.	
IPP	Dhariwal	300	13/07/2018	23.59		Continued.	Critical coal stock	
MSPGCL	Koradi Unit 6	210	16/07/2018	09.18	20/08/2018	18.18	R & M Work	
MSPGCL	Uran Unit 7	108	20/07/2018	12.53		Continued.	Compressor & Turbine Blade Failure.	
IPP	VIPL U-2	300	27/07/2018	00.48		Continued.	Boiler Validity Extention	
MSPGCL	Koradi Unit 7	210	03/08/2018	15.54		Continued.	Poor Coal Receipt.	
MSPGCL	Nasik Unit 4	210	07/08/2018	15.35		Continued.	Coal Swapping.	
IPP	JSW (J) U1	300	09/08/2018	21.16	20/08/2018	19.56	CW DUCT LEAKAGE.	
MSPGCL	Khaparkheda Unit 1	210	11/08/2018	23.57		Continued.	Poor coal Receipt	
MSPGCL	Uran Unit 8	108	16/08/2018	02.05		Continued.	Sparking at B-0 R Phase Bushing.	
IPP	RPL(AMT) U-4	270	17/08/2018	20.02		Continued.	zero schedule by MSEDCL.	
IPP	RPL(AMT) U-2	270	17/08/2018	23.00		Continued.	ZERO SCHEDULE BY MSEDCL.	
MSPGCL	Chandrapur Unit 9	500	18/08/2018	10.42		Continued.	Boiler Tube Leakage	
IPP	RPL(AMT) U-3	270	18/08/2018	11.35		Continued.	to leakage in cooling water system.	

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

Position as on 6.30 Hrs of 21/Aug/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 4	210	19/08/2018	20.36	20/08/2018	00.48	Drum level Very low Protection.	
MSPGCL	Khaparkheda Unit 4	210	20/08/2018	17.16	20/08/2018	21.35	Furnace Pressure High	
MSPGCL	Khaparkheda Unit 2	210	21/08/2018	00.00		Continued.	Wet coal.	
IPP	Adani U-1	660	21/08/2018	05.02		Continued.	AP PA hot PA bellow leakage.	
MSPGCL	Koradi Unit 6	210	21/08/2018	05.30		Continued.	HP expansion high.	

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

Statement-VII

Position as on 6.30 Hrs of 21/Aug/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 I	InterState	16/08/2018	03.38		Continued.	T	Distance Protection
Dhule- Bableswhar - I	IntraState	01/06/2018	16.42		Continued.	T	Distance Protection Y-PH (Tower Collapsed)
Dhule - Bableswhar - li	IntraState	01/06/2018	16.42		Continued.	T	Distance Protection Y-PH (Tower Collapsed)
Deepnagar - Aurangabad	IntraState	16/08/2018	06.46	20/08/2018	07.13	PO	LOC NO-54, R-PHASE STRING DECAPPED.(RFC at:13:16 dt:18/06/2018)
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 MVA ICT -I @Kharghar	IntraState	19/08/2018	16.53		Continued.	T	NDR Operated
400/220KV 315MVA ICT-II @Akola	IntraState	20/08/2018	10.59	20/08/2018	17.20	PO	Commissioning of psd and routine testing 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.
Mudshingi - Chikodi	InterState	20/08/2018	14.40	20/08/2018	15.50	PO	Routine Maintenance Work
Mahalakshmi Amona	InterState	20/08/2018	22.32		Continued.	HT	B Phase LA burst at amona end at 21.43.
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.
Vita - Miraj	IntraState	16/06/2018	14.15		Continued.	PO	Construction Work.
Vita - Mhaishal	IntraState	16/06/2018	15.10		Continued.	PO	Construction Work.
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To control line loading for availing outage on PG ckt 3.
Sonkhar - Trombay	IntraState	10/08/2018	08.49		Continued.	PO	Conductor Replacement Work.
Main Bus -II @Kolhapur(Talandage)	IntraState	18/08/2018	08.08		Continued.	PO	bus jump replacement & insulator string replacement.
Uran - Kharghar I	IntraState	19/08/2018	22.43	20/08/2018	02.54	EO	Attending Hot Spot On Jumper At Location 88 Near Sion-Panvel Highway
Kadegaon-Miraj	IntraState	20/08/2018	02.37	20/08/2018	02.48	EO	All Load Shifted From Bus 2 To Bus Due To Chattering On Bus 2.
Karad -Mudshingi Ckt- IV	IntraState	20/08/2018	09.24	20/08/2018	15.10	PO	Bus Section-II ,Quarterly Maintenance work.
Mudshingi-Belewadi	IntraState	20/08/2018	09.24	20/08/2018	Continued.	PO	Bus Section-I Quarterly Work.
Dhule - Dondaicha Ckt	IntraState	20/08/2018	09.44	20/08/2018	16.56	T	Distance Protection
Badnera - Nandgaonpeth	IntraState	20/08/2018	10.08	20/08/2018	15.17	PO	Tan Delta Measurment of CTs
Bableswhar- Alephata ckt I	IntraState	20/08/2018	10.40	20/08/2018	15.35	PO	Quarterly Maintainance Work
Main Bus @Wadkhal	IntraState	20/08/2018	14.17	20/08/2018	15.27	PO	Reverse the sectionalizer.
Nigade- Peth Line	IntraState	20/08/2018	14.33	20/08/2018	15.03	T	Bus Bar Protection Operated
Karad(400kv) -Nigade	IntraState	20/08/2018	14.33	20/08/2018	15.27	T	Bus Bar Protection Operated
Mudshingi-Wathar	IntraState	20/08/2018	14.40	20/08/2018	15.04	PO	Routine Maintenance Work
Talandge(400)- Mudshingi 2 Line	IntraState	20/08/2018	14.40	20/08/2018	15.04	PO	Routine Maintenance Work
Talandge-Mudshingi Ckt-I	IntraState	20/08/2018	14.40	20/08/2018	15.04	PO	Routine Maintenance Work
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	20/08/2018	14.40	20/08/2018	15.04	PO	Routine Maintenance Work
Mudshingi-Peth II	IntraState	20/08/2018	14.40	20/08/2018	15.04	PO	Routine Maintenance Work
Sadawaghapur Karad Ckt 2	IntraState	21/08/2018	01.05		Continued.	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/Aug/2018

Statement-VII

Position as on 6.30 Hrs of 21/Aug/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Karad - Sadawagpur I	IntraState	21/08/2018	01.05	21/08/2018	02.01	T	Distance Protection
220 KV ICT Outages/Trippings							
220/132 Kv 100 Mva Bhel Ict 1 @Padegaon	IntraState	30/06/2018	15:03		Continued.	T	Buchholz.
220/132 Kv 200 Mva Emco Ict 2 @Raymond (Nasik 2)	IntraState	18/08/2018	22.50		Continued.	HT	due to sparking on R-PH HV bushing.
220/132kv 100mva Ptr 1 @Kharepatan	IntraState	20/08/2018	09.49	20/08/2018	13.09	PO	Routine Maintenance Work
220/100 Kv 100 MVA ICT II @Kandalgaon	IntraState	20/08/2018	13.05	20/08/2018	19.15	PO	Safety purpose to dismental 50MVA spare ICT.

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