

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	128.913	2750.190	1) Gujrat	-6.553	71.155
2) Hydro	5.385	150.063	2) Madhya Pradesh	4.415	319.088
3) Gas	3.558	183.001	3) Chattisgarh	3.330	113.680
Total MSPGCL	137.856	3083.254	4) Maharashtra Net	56.000	1942.431
B) 1) APML	33.307	944.002	5) Goa (Amona)	-0.066	-8.536
2) JSWEL	12.342	288.271	Total	57.126	2437.818
3) VIPL	5.063	129.089	a) Mumbai Schedule	15.082	436.216
4) RPL(AMT)	16.098	204.799	b) Mumbai Drawl	23.487	527.085
5) WPCL	2.441	59.793	c) MSEDCL Bilateral *	12.016	409.879
6) PGPL	0.000	0.000	Include PX	-0.082	76.226
7) Other IPP	3.857	70.140	d) Mumbai Bilateral *	15.082	436.216
C) 1) TPCL Thermal	12.272	294.032	Include PX	2.761	134.041
2) TPCL Hydro	1.944	90.144	Include Standby	0.000	0.000
3) TPCL Gas	2.303	73.646	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	8.975	204.348	1) MSEDCL	294.985	7269.214
D) STATE			2) Mumbai Discoms	48.981	1189.250
1) Thermal	223.268	4944.664	TOTAL STATE	343.966	8458.464
(A1+C1+C4+(B1-B6))					
2) Hydro	7.329	240.207			
(A2+C2)					
3) Gas	5.861	256.647			
(A3+B6+C3)					
4) Wind	49.210	544.171			
6) SOLAR	1.172	34.962			
TOTAL STATE	286.840	6020.651			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 9 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 24 Hrs
MSPGCL Thermal	5371	5427	5271	5143
MSPGCL Hydro	250	253	628	177
MSPGCL Gas	143	141	141	160
MSPGCL Total Generation	5764	5821	6040	5480
Central Sector Receipt	2858	2425	2960	2022
WIND	2346	1960	1955	1818
CPP / IPP Thermal	3154	3105	2769	2773
CPP / IPP Gas	0	0	0	0
SOLAR	25	176	0	0
Exchange with Mumbai	-1049	-1281	-799	-659
MSEDCL DEMAND MET	13098	12206	12925	11434
Load Shedding	0	0	0	0
MSEDCL DEMAND	13098	12206	12925	11434
TPCL GENERATION	616	621	994	775
R-INFRA GENERATION	374	375	374	373
MUMBAI DEMAND	2039	2277	2167	1807
STATE DEMAND MET	15137	14483	15092	13241
STATE DEMAND	15137	14483	15092	13241
Frequency (Hz)	50.03	50.04	49.96	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 06.02 Hrs	49.83 Hz at 19.15 Hrs	50.03	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/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	3.41	12.83	155	110
Unit 8	8.33	144.28	415	270
Unit 9	8.13	230.26	380	288
Unit 10	8.42	237.06	405	270
Total	28.29	624.44		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.04	37.19	170	165
Unit 4	8.66	215.01	375	350
Unit 5	8.74	38.35	380	350
Total	21.44	290.56		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.69	49.07	205	185
Unit 7	4.61	22.99	198	187
Unit 8	0.00	0.00	0	0
Total	9.30	72.06		
Chandrapur				
Unit 3	0.00	82.92	0	0
Unit 4	4.05	87.34	173	166
Unit 5	8.69	167.57	370	350
Unit 6	8.58	178.60	365	349
Unit 7	8.74	196.59	371	357
Unit 8	8.65	190.15	375	355
Unit 9	0.00	189.50	0	0
Total	38.71	1092.68		
Paras				
Unit 3	4.62	109.69	199	184
Unit 4	4.53	110.15	193	184
Total	9.15	219.84		
Khaparkheda				
Unit 1	3.13	51.49	160	90
Unit 2	3.81	49.99	160	140
Unit 3	3.74	46.34	163	146
Unit 4	0.00	0.00	0	0
Unit 5	7.21	213.99	360	260
Total	17.89	361.81		
Nasik				
Unit 3	0.00	38.47	0	0
Unit 4	4.14	48.89	205	163
Unit 5	0.00	1.46	0	0
Total	4.14	88.81		
Uran				
All Units	3.56	183.00	168	128
Total	3.56	183.00		
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)	0.00	1.02	0	0
Total	0.00	1.02		
Koyna				
Stage 1-2	1.81	54.00	350	40
Stage 4	0.21	38.52	141	0
Stage 3	1.10	26.49	160	0
Total	3.11	119.01		
Hydro				
KDPH	0.88	2.60	37	36
VTRNA	0.31	5.49	61	0
TILLARI	0.00	0.79	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.40	7.96	80	0
RNGR+BHTSA	0.22	2.35	15	0
BHANDARDRA	0.34	6.85	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.12	5.00	6	5
GHATGHAR	0.00	0.00	0	0
Total	2.27	31.05		
Wind				
Total	49.21	544.17	0	0
Total	49.21	544.17		
CPP				
APML(Mus)	33.31	944.00	0	0
JSWEL(Mus)	12.34	288.27	0	0
VIPL(Mus)	5.06	129.09	0	0
RPLAMT(Mus)	16.10	204.80	0	0
WPCL(Mus)	2.44	59.79	0	0
Other(Mus)	3.86	70.14	0	0
Total	73.11	1696.09		
SOLAR				
Total	1.17	34.96	0	0
Total	1.17	34.96		
Tata				
Trombay 5	7.47	188.26	316	309
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.27	45.03	53	52
Trombay 7B	1.03	28.62	44	42
Trombay 8	4.80	105.77	202	197
TATA Hydro	1.94	90.14	387	0
Total	16.52	457.82		
R-INFRA				
DTPS U-1&2	8.98	204.35	376	372
Total	8.98	204.35		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	128.91	2750.19	MSPGCL Total	137.86	3083.25
			MSPGCL Thml+Gas	132.47	2933.19	Koyna 1,2 & 4 Total	2.02	92.52
			MSPGCL Hydro	5.38	150.06	State Total	286.84	6020.65

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 20/Aug/2017

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	5522	97	128	5747	1657	3367	0	0	3831	3173	-1167	12777	0	12777	2153	14930	50.06
2	5425	97	168	5690	1871	3248	0	0	3449	2545	-1010	12344	0	12344	1997	14341	50.03
3	5429	102	158	5689	1736	3143	0	0	2829	2370	-909	12029	0	12029	1894	13923	50.04
4	5425	101	157	5683	1754	3176	0	0	2782	2213	-839	11987	0	11987	1825	13812	50.07
5	5400	96	158	5654	2063	3176	0	0	3475	2070	-818	12145	0	12145	1804	13949	50.07
6	5442	96	156	5694	1993	3185	0	0	3278	2249	-875	12246	0	12246	1856	14102	50.04
7	5473	114	162	5749	1997	3164	0	4	2594	2620	-899	12635	0	12635	1881	14516	50.10
8	5353	186	150	5689	2203	3152	0	14	2561	2475	-931	12602	0	12602	1917	14519	50.04
9	5371	250	143	5764	2346	3154	0	25	2355	2858	-1049	13098	0	13098	2039	15137	50.03
10	5377	593	139	6109	2212	3138	0	38	2145	2360	-1204	12653	0	12653	2193	14846	50.04
11	5390	510	140	6040	2087	3181	0	93	3233	2712	-1264	12849	0	12849	2260	15109	50.07
12	5373	426	139	5938	2055	3129	0	168	3298	2742	-1289	12743	0	12743	2286	15029	50.03
13	5427	253	141	5821	1960	3105	0	176	2922	2425	-1281	12206	0	12206	2277	14483	50.04
14	5459	174	141	5774	2192	3107	0	177	2494	1992	-1189	12053	0	12053	2176	14229	50.02
15	5454	110	140	5704	2221	3112	0	187	2174	1696	-1121	11799	0	11799	2097	13896	50.02
16	5486	120	140	5746	2389	3096	0	152	2025	1561	-1042	11902	0	11902	2019	13921	50.02
17	5400	111	143	5654	2459	2914	0	98	1874	1444	-991	11578	0	11578	1969	13547	50.05
18	5349	116	143	5608	2286	2936	0	38	1786	1998	-942	11924	0	11924	1919	13843	50.02
19	5297	599	142	6038	2055	2793	0	2	1991	2393	-925	12356	0	12356	2053	14409	49.99
20	5271	628	141	6040	1955	2769	0	0	3065	2960	-799	12925	0	12925	2167	15092	49.96
21	5209	171	164	5544	1966	2763	0	0	3344	3235	-780	12728	0	12728	2148	14876	50.02
22	5224	111	145	5480	1946	2763	0	0	2825	2756	-747	12198	0	12198	2115	14313	49.99
23	5214	147	160	5521	1989	2764	0	0	2559	2256	-757	11773	0	11773	2129	13902	50.01
24	5143	177	160	5480	1818	2773	0	0	2402	2022	-659	11434	0	11434	1807	13241	50.01
MUs	128.91	5.38	3.56	137.86	49.21	73.11	0.00	1.17	65.29	57.13	-23.49	294.99	0.00	294.99	48.98	343.97	50.03

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/2017

Position as on 6.30 Hrs of 21/Aug/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.	
CENT.SECTOR	TARAPUR 4	540	23/04/2017	19:55		Continued.	Annual Maintenance	
CENT.SECTOR	Tarapur 1	160	04/06/2017	19.09		Continued.	3 months outage for refuelling.	
CENT.SECTOR	TARAPUR-3	540	11/07/2017	16.30		Continued.	Reactor Inspection Work	
MSPGCL	Khaparkheda Unit 4	210	13/07/2017	03.36		Continued.	Drum level low. on Dated 14.07.2017 converted to zero schedule. Converted into COH from 00:00Hrs of 02.08.2017	
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.	Shutdown	
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	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
IPP	JSW (J) U2	300	31/05/2017	23.58		Continued.	NO SCHEDULE.	
IPP	Dhariwal	300	01/06/2017	00.01		Continued.	NO SCHEDULE.	
IPP	RPL(AMT) U-4	270	09/06/2017	00.20		Continued.	Zero Schedule by MSEDCL	
IPP	VIPL U-1	300	13/06/2017	08.30		Continued.	GT WORK	
MSPGCL	Parli Unit 8	250	17/06/2017	00.08		Continued.	Zero Schedule by MSEDCL, scheduled issued on 08.08.2017 but synchronization delayed.	
MSPGCL	Ghatghar Unit-2	125	28/07/2017	00.00		Continued.	due to common pressure shaft with unit 1.	
MSPGCL	Ghatghar Unit-1	125	28/07/2017	00.00		Continued.	rbtv leakage attending work.	
IPP	JSW (J) U4	300	05/08/2017	20.30		Continued.	Turbine shaft Vibration high.	
IPP	Adani U-1	660	07/08/2017	00.29		Continued.	AIR PREHEATER PROBLEM.	

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

Position as on 6.30 Hrs of 21/Aug/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Nasik Unit 5	210	09/08/2017	00.00		Continued.	ID Fan Problem converted to zero schedule from 19:00Hrs of 11.08.2017	
MSPGCL	Nasik Unit 3	210	10/08/2017	00.00		Continued.	Withdrawn for maintenance work.	
IPP	Adani U-2	660	11/08/2017	16.49		Continued.	Furnace Pressure High	
CPP	SWPGL U-4	135	11/08/2017	23.23		Continued.	Y ph ct of bhugoan ckt burst.	
MSPGCL	Chandrapur Unit 9	500	18/08/2017	15.26		Continued.	Turbine sharp Vibration problem.	
MSPGCL	Uran Unit B0	120	19/08/2017	00.15	20/08/2017	00.14	Gas shortage	
MSPGCL	Uran Unit 5	108	19/08/2017	03.40	20/08/2017	20.41	Low Voltage.	
MSPGCL	Uran Unit A0	120	19/08/2017	03.40	21/08/2017	06.20	Low Voltage.	
MSPGCL	Uran Unit 6	108	20/08/2017	07.18		Continued.	Dumper Discrepancy	
IPP	RPL(AMT) U-2	270	20/08/2017	16.02		Continued.	Zero Schedule Given By MSEDCL.	
IPP	RPL(AMT) U-3	270	20/08/2017	18.11		Continued.	Zero Schedule Given By MSEDCL.	
IPP	RPL(AMT) U-5	270	21/08/2017	03.05		Continued.	Zero Schedule Given By MSEDCL.	
IPP	RPL(AMT) U-1	270	21/08/2017	05.22		Continued.	Zero Schedule Given By MSEDCL.	

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

Statement-VII

Position as on 6.30 Hrs of 21/Aug/2017

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	19/08/2017	23.04		Continued.	T	Distance Protection
Lamboti - Solapur (PG)	InterState	20/08/2017	03.24	20/08/2017	20.14	T	Distance Protection
Ektuni-Bableshwar ckt I	IntraState	10/08/2017	06.43		Continued.	HT	Emergency outage on padghe bblsr ckt.
karad -kolhapur-II	IntraState	19/08/2017	16.39	20/08/2017	08.57	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	19/08/2017	16.45		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	19/08/2017	16.57	20/08/2017	09.06	HT	Over Voltage
Parly(MS)- Nanded ckt II	IntraState	20/08/2017	04.11		Continued.	T	Over Voltage
Chandrapur-II - Nanded ckt II	IntraState	20/08/2017	04.11		Continued.	T	Over Voltage
karad -kolhapur-I	IntraState	20/08/2017	09.19		Continued.	EO	Attending Hot Spot
Karad - Jaigad - II	IntraState	20/08/2017	15.07		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	21/08/2017	01.24		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315 Mva ICT I @Karad	IntraState	08/08/2017	06.15		Continued.	PO	REPLACEMENT OF Y PHASE UNIT(outage for 11 Days)
400/220KV 500MVA ICT1@koradi 2	IntraState	10/08/2017	11.39		Continued.	PO	Attend defects observed in OLTC of ICT 1.
400/220 KV 500MVA ICT-IV @ Babhaleshwar	IntraState	20/08/2017	10.02	20/08/2017	20.20	T	OLTC Tripped.
400/220 Kv 500 Mva Ict 1 @Lamboti	IntraState	20/08/2017	10.23	20/08/2017	12.45	T	OLTC Tripped.
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.
Mahalakshmi Amona	InterState	20/08/2017	13.24	20/08/2017	14.09	T	Tripped At Amona End.
Tillari Amona	InterState	20/08/2017	13.24	20/08/2017	14.19	T	Tripped At Amona End.
Tillari Amona	InterState	20/08/2017	17.42	20/08/2017	18.16	T	Tripped At Amona End.
Mahalakshmi Amona	InterState	20/08/2017	17.42	20/08/2017	18.23	T	Tripped At Amona End.
Mahalakshmi Amona	InterState	21/08/2017	03.55	21/08/2017	05.27	T	Distance Protection
Tillari Amona	InterState	21/08/2017	03.55	21/08/2017	05.19	T	Distance Protection
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	19/08/2017	12.12	20/08/2017	04.51	T	Distance Protection
Padgha - Temghar I	IntraState	20/08/2017	07.19	20/08/2017	10.40	PO	CB Maintenance Work.
Trombay - Kalwa	IntraState	20/08/2017	08.04	20/08/2017	13.33	PO	Jumper Replacement 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)
220/132 kV 200 MVA ICT- I @ Nanded	IntraState	20/08/2017	03.16	20/08/2017	05.22	T	PDR ANS SF6 GAS LOW INDICATION.
132 KV LINE Outages/Trippings							
Chalishgaon - Manmad	IntraState	20/08/2017	19.31	20/08/2017	21.23	T	Distance Protection
Manmad-Pimperkhed	IntraState	20/08/2017	19.31	20/08/2017	19.40	T	Distance Protection

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