

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	83.367	2233.790	1) Gujrat	-3.935	-46.692
2) Hydro	6.779	140.921	2) Madhya Pradesh	7.265	161.256
3) Gas	6.039	115.503	3) Chattisgarh	5.580	100.420
Total MSPGCL	96.185	2490.214	4) Maharashtra Net	93.367	2151.093
B) 1) APML	50.970	1129.282	5) Goa (Amona)	-0.550	-13.838
2) JSWEL	17.661	314.083	Total	101.727	2352.239
3) VIPL	4.154	107.985	a) Mumbai Schedule	23.631	469.034
4) RPL(AMT)	9.776	484.611	b) Mumbai Drawl	26.757	560.929
5) WPCL	4.251	87.568	c) MSEDCL Bilateral *	17.865	402.880
6) PGPL	0.000	0.000	Include PX	0.000	16.179
7) Other IPP	6.820	74.410	d) Mumbai Bilateral *	23.631	469.034
C) 1) TPCL Thermal	12.760	282.657	Include PX	7.609	149.595
2) TPCL Hydro	5.362	92.635	Include Standby	0.000	0.000
3) TPCL Gas	3.744	76.208	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.163	200.472	1) MSEDCL	322.049	7648.703
D) STATE			2) Mumbai Discoms	57.786	1212.901
1) Thermal	198.922	4914.858	TOTAL STATE	379.835	8861.604
(A1+C1+C4+(B1-B6))					
2) Hydro	12.141	233.556			
(A2+C2)					
3) Gas	9.783	191.711			
(A3+B6+C3)					
4) Wind	55.232	1096.830			
6) SOLAR	2.030	72.410			
TOTAL STATE	278.108	6509.365			

* 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	3678	3335	3692	3478
MSPGCL Hydro	418	303	245	175
MSPGCL Gas	241	239	240	239
MSPGCL Total Generation	4337	3877	4177	3892
Central Sector Receipt	5081	4406	4588	3018
WIND	2322	2560	2318	2265
CPP / IPP Thermal	4101	3809	4322	3728
CPP / IPP Gas	0	0	0	0
SOLAR	139	305	0	0
Exchange with Mumbai	-1336	-1519	-933	-699
MSEDCL DEMAND MET	14644	13438	14472	12204
Load Shedding	0	0	0	0
MSEDCL DEMAND	14644	13438	14472	12204
TPCL GENERATION	1101	1036	1262	612
R-INFRA GENERATION	374	373	496	373
MUMBAI DEMAND	2811	2928	2691	1684
STATE DEMAND MET	17455	16366	17163	13888
STATE DEMAND	17455	16366	17163	13888
Frequency (Hz)	50.02	49.97	49.92	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 18.01 Hrs	49.81 Hz at 15.11 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 21/Aug/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.20	0.36	50	0
Unit 7	0.00	3.92	0	0
Unit 8	4.90	174.25	313	57
Unit 9	5.34	188.71	333	0
Unit 10	0.00	0.00	0	0
Total	10.44	367.24		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	85.26	0	0
Unit 5	9.39	198.12	475	345
Total	9.39	283.38		
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	4.86	92.67	248	183
Unit 8	4.80	109.46	243	185
Total	9.66	202.13		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	3.83	68.16	179	100
Unit 5	6.84	172.58	305	260
Unit 6	6.87	108.44	362	230
Unit 7	8.18	179.00	363	310
Unit 8	5.77	161.84	260	210
Unit 9	3.25	86.11	394	0
Total	34.74	776.14		
Paras				
Unit 3	3.75	101.80	216	104
Unit 4	4.17	99.74	225	2
Total	7.92	201.54		
Khaparkheda				
Unit 1	0.00	33.37	0	0
Unit 2	0.00	64.05	0	0
Unit 3	0.77	42.48	82	0
Unit 4	2.38	73.46	130	70
Unit 5	4.20	106.02	237	120
Total	7.34	319.37		
Nasik				
Unit 3	3.88	57.08	182	156
Unit 4	0.00	26.91	0	0
Unit 5	0.00	0.00	0	0
Total	3.88	83.99		
Uran				
All Units	6.04	115.50	320	239
Total	6.04	115.50		
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)	0.04	1.41	27	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.04	1.41		
Koyna				
Stage 1-2	1.12	36.20	165	35
Stage 4	0.00	15.19	0	0
Stage 3	1.28	22.55	160	0
Total	2.40	73.94		
Hydro				
KDPH	0.83	13.97	35	34
VTRNA	1.02	7.69	61	0
TILLARI	0.82	15.35	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.46	8.74	80	0
RNGR+BHTSA	0.36	2.81	16	15
BHANDARDRA	0.35	7.14	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.53	10.45	30	20
GHATGHAR	0.00	0.82	0	0
Total	4.38	66.98		
Wind				
Total	55.23	1096.83	0	0
Total	55.23	1096.83		
CPP				
APML(Mus)	50.97	1129.28	0	0
JSWEL(Mus)	17.66	314.08	0	0
VIPL(Mus)	4.15	107.98	0	0
RPLAMT(Mus)	9.78	484.61	0	0
WPCL(Mus)	4.25	87.57	0	0
Other(Mus)	6.82	74.41	0	0
Total	93.63	2197.94		
SOLAR				
Total	2.03	72.41	0	0
Total	2.03	72.41		
Tata				
Trombay 5	7.68	172.92	460	296
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.28	47.39	117	63
Trombay 7B	1.46	28.82	67	51
Trombay 8	5.08	109.73	236	197
TATA Hydro	5.36	92.64	396	0
Total	21.87	451.50		
R-INFRA				
DTPS U-1&2	9.16	200.47	496	370
Total	9.16	200.47		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	83.37	2233.79	MSPGCL Total	96.18	2490.21
			MSPGCL Thml+Gas	89.41	2349.29	Koyna 1,2 & 4 Total	1.12	51.39
			MSPGCL Hydro	6.78	140.92	State Total	278.11	6509.36

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 21/Aug/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	3472	182	239	3893	2329	3734	0	0	3752	3552	-988	12520	0	12520	1997	14517	49.96
2	3413	182	250	3845	2214	3715	0	0	3509	3403	-863	12314	0	12314	1847	14161	50.00
3	3429	180	251	3860	2293	3760	0	0	3321	3056	-762	12207	0	12207	1749	13956	50.03
4	3478	175	239	3892	2265	3728	0	0	2873	3018	-699	12204	0	12204	1684	13888	50.02
5	3458	131	241	3830	2052	3748	0	0	3180	3630	-705	12555	0	12555	1687	14242	50.01
6	3462	201	251	3914	2345	3811	0	0	4138	4293	-811	13552	0	13552	1820	15372	50.02
7	3608	285	241	4134	2242	4164	0	2	4785	4476	-885	14133	0	14133	1990	16123	50.00
8	3643	313	262	4218	2377	4300	0	25	5093	4789	-846	14863	0	14863	2192	17055	50.03
9	3658	382	240	4280	2088	4137	0	61	5129	4997	-1135	14428	0	14428	2505	16933	50.02
10	3678	418	241	4337	2322	4101	0	139	4936	5081	-1336	14644	0	14644	2811	17455	50.02
11	3664	443	248	4355	2248	4086	0	238	5044	4908	-1539	14296	0	14296	2994	17290	50.04
12	3389	403	240	4032	2376	4042	0	288	5098	4769	-1616	13891	0	13891	3022	16913	50.03
13	3335	303	239	3877	2560	3809	0	305	4726	4406	-1519	13438	0	13438	2928	16366	49.97
14	3450	261	260	3971	2672	3621	0	313	4209	4211	-1392	13396	0	13396	2777	16173	49.99
15	3471	246	241	3958	2614	3549	0	281	4267	4120	-1352	13170	0	13170	2772	15942	49.93
16	3217	326	250	3793	2335	3551	0	205	4134	4380	-1332	12932	0	12932	2762	15694	49.95
17	3106	515	240	3861	2620	3670	0	118	4388	4463	-1315	13417	0	13417	2754	16171	49.98
18	3372	368	242	3982	2389	3714	0	52	4840	4565	-1348	13354	0	13354	2722	16076	50.01
19	3575	340	250	4165	2479	3957	0	3	4683	4589	-1125	14068	0	14068	2706	16774	49.98
20	3692	245	240	4177	2318	4322	0	0	4715	4588	-933	14472	0	14472	2691	17163	49.92
21	3563	245	258	4066	2158	4322	0	0	4533	4321	-1040	13827	0	13827	2567	16394	49.99
22	3472	184	279	3935	1983	4125	0	0	4420	4339	-970	13412	0	13412	2395	15807	49.95
23	3362	192	320	3874	2029	3856	0	0	4267	4131	-1155	12735	0	12735	2266	15001	49.91
24	3400	259	277	3936	1924	3816	0	0	3965	3642	-1091	12227	0	12227	2148	14375	50.02
MUs	83.37	6.78	6.04	96.19	55.23	93.63	0.00	2.03	104.00	101.73	-26.76	322.05	0.00	322.05	57.79	379.84	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 21/Aug/2018

Position as on 6.30 Hrs of 22/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	21/08/2018	20.25	GT winding short.	
MSPGCL	Ghatghar Unit-2	125	29/06/2018	01.12		Continued.	Stator Earth Fault	
MSPGCL	Nasik Unit 5	210	12/07/2018	00.00		Continued.	ZERO SCHEDULE.	
IPP	Dhariwal	300	13/07/2018	23.59	22/08/2018	07.54	Critical coal stock	
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.	
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	21/08/2018	12.00	Boiler Tube Leakage	
IPP	RPL(AMT) U-3	270	18/08/2018	11.35		Continued.	to leakage in cooling water system.	
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) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Aug/2018

Position as on 6.30 Hrs of 22/Aug/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Khaparkheda Unit 3	210	21/08/2018	06.36	21/08/2018	14.39	Not availability of oil and coal.	
MSPGCL	Paras Unit 4	250	21/08/2018	15.02	21/08/2018	16.57	Furnace Pressure High	
MSPGCL	Koradi Unit 9	660	21/08/2018	21.22	22/08/2018	02.44	Turbine protection.	
MSPGCL	Uran Unit A0	120	21/08/2018	23.00	21/08/2018	23.57	Generator protection	
CPP	SWPGL U-4	135	22/08/2018	00.08		Continued.	Change over relay and electrical fault.	
MSPGCL	Khaparkheda Unit 3	210	22/08/2018	01.05		Continued.	Wet coal.	
MSPGCL	Paras Unit 3	250	22/08/2018	02.43	22/08/2018	06.33	Electrical protection.	
MSPGCL	Koradi Unit-8	660	22/08/2018	02.44	22/08/2018	06.16	Generator protection	
RINFRA-G	REL Unit 1	250	22/08/2018	04.54	22/08/2018	17.50	Deterioration in condenser vacuum.	
MSPGCL	Koradi Unit 9	660	22/08/2018	12.56	22/08/2018	14.36	Flame Failure	

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

Statement-VII

Position as on 6.30 Hrs of 22/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 - Bableshwar - li	IntraState	01/06/2018	16.42		Continued.	T	Distance Protection Y-PH (Tower Collapsed)
Dhule- Bableshwar - I	IntraState	01/06/2018	16.42		Continued.	T	Distance Protection Y-PH (Tower Collapsed)
Khadka-Aurangabad (Waluj)	IntraState	21/08/2018	17.29		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	22/08/2018	02.24	22/08/2018	08.17	HT	Over Voltage
TBC @ chandrapur	IntraState	22/08/2018	09.41	22/08/2018	17.55	PO	diagnostic testing.
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 MVA ICT -I @Kharghar	IntraState	19/08/2018	16.53		Continued.	T	NDR Operated
400/220 Kv 500 Mva Ict 1 @Lamboti	IntraState	22/08/2018	09.42	22/08/2018	18.55	PO	ICT PAINTING.
400/220kv 315 Mva ICT II @Karad	IntraState	22/08/2018	21.04	22/08/2018	21.37	T	LBB OPERATED & bus 2 tripped.
400/220kv 315 Mva ICT III @Karad	IntraState	22/08/2018	21.04	22/08/2018	21.34	T	LBB OPERATED & bus 2 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	20/08/2018	22.32	21/08/2018	11.52	HT	B Phase LA burst at amona end at 21.43.
Mahalakshmi Amona	InterState	21/08/2018	12.16	22/08/2018	15.19	HT	Unbalance voltage shown at amona end.
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.
Mudshingi-Belewadi	IntraState	20/08/2018	09.24	20/08/2018	Continued.	PO	Bus Section-I Quarterly Work.
Karad - Sadawagpur I	IntraState	21/08/2018	01.05	21/08/2018	02.01	T	Distance Protection
Sadawaghapur Karad Ckt 2	IntraState	21/08/2018	01.05	21/08/2018	12.19	T	Distance Protection
UTECH SUGAR BABHALESHWAR	IntraState	21/08/2018	10.27	21/08/2018	13.37	PO	LTS LBB initiation wiring work.
Karad - Kadegaon	IntraState	21/08/2018	11.36	21/08/2018	14.04	EO	karad bay maintenance.
Satana-Gangapur	IntraState	22/08/2018	05.40		Continued.	T	Distance Protection
Aarey Saki Line 1	IntraState	22/08/2018	11.05	22/08/2018	13.39	PO	positive & zero sequence impedance measurement of cable.
Parli 3(Old Gcr)-Parli Newtps Ckt 1	IntraState	22/08/2018	11.19	22/08/2018	16.05	EO	Attending Hot Spot
Karad(400kv) - Wathar	IntraState	22/08/2018	21.02		Continued.	T	Distance Protection & LBB.
Karad - Vita Ckt- II	IntraState	22/08/2018	21.04	22/08/2018	21.41	T	LBB OPERATED & bus 2 tripped.
Karad(400kv) - Ogalewadi Ckt 2	IntraState	22/08/2018	21.04	22/08/2018	21.39	T	LBB OPERATED & bus 2 tripped.
Karad(400kv) -Nigade	IntraState	22/08/2018	21.04	22/08/2018	21.43	T	LBB OPERATED & bus 2 tripped.
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	22/08/2018	21.04	22/08/2018	21.42	T	LBB OPERATED & bus 2 tripped.

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 21/Aug/2018

Statement-VII

Position as on 6.30 Hrs of 22/Aug/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Malharpeth - Karad(400kv)	IntraState	22/08/2018	21.04	22/08/2018	21.36	T	LBB OPERATED & bus 2 tripped.
karad - Dasgaon	IntraState	22/08/2018	21.04	22/08/2018	21.45	T	LBB OPERATED & bus 2 tripped.
220 KV ICT Outages/Trippings							
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.
220/132-110kv 200mva Ptr 1 @Oglewadi	IntraState	21/08/2018	10.30	21/08/2018	13.25	PO	Quarterly Maintainance Work
220/132 Kv 100 Mva Vijai Ict 2 @Gadchiroli	IntraState	21/08/2018	13.40	21/08/2018	16.45	PO	relay testing.
220/132 Kv 200mva Kanohar Ict 3 @Bale (Solapur 2)	IntraState	22/08/2018	10.30	22/08/2018	16.20	PO	Quarterly Maintenance Work
132 KV LINE Outages/Trippings							
Sawangi - Kazgipura	IntraState	21/08/2018	20.20	22/08/2018	17.37	T	R PH.

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