

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Aug/2017 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	123.710	2873.900	1) Gujrat	-2.277	68.878
2) Hydro	7.704	157.767	2) Madhya Pradesh	11.745	330.833
3) Gas	7.538	190.539	3) Chattisgarh	4.940	118.620
Total MSPGCL	138.952	3222.206	4) Maharashtra Net	78.804	2021.235
B) 1) APML	36.109	980.111	5) Goa (Amona)	-0.264	-8.800
2) JSWEL	13.265	301.536	Total	92.948	2530.766
3) VIPL	5.631	134.720	a) Mumbai Schedule	18.130	454.347
4) RPL(AMT)	1.644	206.443	b) Mumbai Drawl	24.924	552.009
5) WPCL	2.067	61.860	c) MSEDCL Bilateral *	8.592	418.471
6) PGPL	0.000	0.000	Include PX	-4.596	71.630
7) Other IPP	4.672	74.812	d) Mumbai Bilateral *	18.130	454.347
C) 1) TPCL Thermal	12.725	306.757	Include PX	5.808	139.848
2) TPCL Hydro	4.620	94.764	Include Standby	0.000	0.000
3) TPCL Gas	4.046	77.692	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.361	213.709	1) MSEDCL	298.306	7567.520
D) STATE			2) Mumbai Discoms	55.676	1244.926
1) Thermal	209.184	5153.848	TOTAL STATE	353.982	8812.446
(A1+C1+C4+(B1-B6))					
2) Hydro	12.324	252.531			
(A2+C2)					
3) Gas	11.584	268.231			
(A3+B6+C3)					
4) Wind	26.820	570.991			
6) SOLAR	1.122	36.084			
TOTAL STATE	261.034	6281.685			

* 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	4933	4930	5748	5029
MSPGCL Hydro	360	156	730	121
MSPGCL Gas	262	306	428	206
MSPGCL Total Generation	5555	5392	6906	5356
Central Sector Receipt	5130	4955	4162	2239
WIND	1217	1201	783	1260
CPP / IPP Thermal	2658	2368	2925	2650
CPP / IPP Gas	0	0	0	0
SOLAR	92	118	0	0
Exchange with Mumbai	-1395	-1482	-1197	-524
MSEDCL DEMAND MET	13257	12552	13579	10981
Load Shedding	0	0	0	0
MSEDCL DEMAND	13257	12552	13579	10981
TPCL GENERATION	935	1000	1075	629
R-INFRA GENERATION	373	373	404	375
MUMBAI DEMAND	2703	2855	2676	1528
STATE DEMAND MET	15960	15407	16255	12509
STATE DEMAND	15960	15407	16255	12509
Frequency (Hz)	50.03	49.99	49.86	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 13.01 Hrs	49.7 Hz at 19.13 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/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	3.16	16.00	160	115
Unit 8	7.20	151.48	330	267
Unit 9	7.11	237.37	307	280
Unit 10	6.72	243.78	314	250
Total	24.20	648.63		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.03	41.22	180	123
Unit 4	9.26	224.27	500	355
Unit 5	9.36	47.71	510	355
Total	22.65	313.20		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.95	54.02	238	194
Unit 7	4.84	27.83	242	187
Unit 8	0.00	0.00	0	0
Total	9.79	81.85		
Chandrapur				
Unit 3	0.00	82.92	0	0
Unit 4	4.14	91.48	190	165
Unit 5	8.80	176.37	395	330
Unit 6	8.74	187.34	390	346
Unit 7	8.99	205.58	422	351
Unit 8	9.49	199.64	500	360
Unit 9	0.00	189.50	0	0
Total	40.16	1132.84		
Paras				
Unit 3	4.94	114.62	245	176
Unit 4	4.87	115.02	250	188
Total	9.81	229.65		
Khaparkheda				
Unit 1	3.41	54.90	180	115
Unit 2	3.70	53.70	175	125
Unit 3	3.61	49.96	170	120
Unit 4	0.00	0.00	0	0
Unit 5	2.33	216.32	245	0
Total	13.06	374.88		
Nasik				
Unit 3	0.00	38.47	0	0
Unit 4	4.04	52.92	197	149
Unit 5	0.00	1.46	0	0
Total	4.04	92.85		
Uran				
All Units	7.54	190.54	434	159
Total	7.54	190.54		
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)	0.13	1.15	48	0
Total	0.13	1.15		
Koyna				
Stage 1-2	2.68	56.69	490	40
Stage 4	0.76	39.28	508	0
Stage 3	1.45	27.94	160	0
Total	4.90	123.91		
Hydro				
KDPH	0.40	3.00	36	0
VTRNA	1.12	6.61	61	0
TILLARI	0.00	0.79	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.38	8.34	80	0
RNGR+BHTSA	0.38	2.73	16	15
BHANDARDRA	0.34	7.20	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.19	5.19	8	7
GHATGHAR	0.00	0.00	0	0
Total	2.81	33.86		
Wind				
Total	26.82	570.99	0	0
Total	26.82	570.99		
CPP				
APML(Mus)	36.11	980.11	0	0
JSWEL(Mus)	13.26	301.54	0	0
VIPL(Mus)	5.63	134.72	0	0
RPLAMT(Mus)	1.64	206.44	0	0
WPCL(Mus)	2.07	61.86	0	0
Other(Mus)	4.67	74.81	0	0
Total	63.39	1759.48		
SOLAR				
Total	1.12	36.08	0	0
Total	1.12	36.08		
Tata				
Trombay 5	7.84	196.10	472	304
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.52	47.55	115	71
Trombay 7B	1.52	30.14	67	53
Trombay 8	4.89	110.66	239	197
TATA Hydro	4.62	94.76	387	0
Total	21.39	479.21		
R-INFRA				
DTPS U-1&2	9.36	213.71	501	373
Total	9.36	213.71		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	123.71	2873.90	MSPGCL Total	138.95	3222.21
			MSPGCL Thml+Gas	131.25	3064.44	Koyna 1,2 & 4 Total	3.45	95.97
			MSPGCL Hydro	7.70	157.77	State Total	261.03	6281.68

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Aug/2017

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	5109	175	159	5443	1770	2821	0	0	2544	1865	-713	11186	0	11186	1784	12970	50.01
2	5062	179	159	5400	1679	2828	0	0	2092	1721	-568	11060	0	11060	1622	12682	50.02
3	5023	184	167	5374	1443	2789	0	0	1998	1903	-563	10946	0	10946	1575	12521	50.00
4	5029	121	206	5356	1260	2650	0	0	1981	2239	-524	10981	0	10981	1528	12509	50.00
5	5037	115	211	5363	1278	2585	0	0	2571	2733	-538	11421	0	11421	1539	12960	50.00
6	5013	175	209	5397	1144	2431	0	0	2608	3557	-678	11851	0	11851	1679	13530	50.00
7	5049	633	255	5937	1136	2396	0	2	3679	4226	-774	12923	0	12923	1855	14778	49.97
8	5084	360	263	5707	1054	2394	0	19	5000	5160	-992	13342	0	13342	2125	15467	50.04
9	5052	315	263	5630	1104	2530	0	48	5392	5504	-1187	13629	0	13629	2321	15950	50.02
10	4933	360	262	5555	1217	2658	0	92	5196	5130	-1395	13257	0	13257	2703	15960	50.03
11	4924	340	253	5517	1131	2650	0	105	5395	5096	-1467	13032	0	13032	2843	15875	49.98
12	4915	233	296	5444	1368	2487	0	125	5303	5137	-1568	12993	0	12993	2894	15887	49.96
13	4930	156	306	5392	1201	2368	0	118	4927	4955	-1482	12552	0	12552	2855	15407	49.99
14	4994	149	329	5472	1226	2372	0	131	4794	4831	-1480	12552	0	12552	2786	15338	50.02
15	4996	334	409	5739	1291	2370	0	146	4290	4356	-1395	12507	0	12507	2776	15283	49.93
16	5056	299	416	5771	1205	2370	0	133	4257	4276	-1356	12399	0	12399	2747	15146	49.99
17	4948	314	408	5670	1144	2373	0	135	4061	4003	-1344	11981	0	11981	2732	14713	49.98
18	4937	460	420	5817	911	2394	0	62	4008	4293	-1317	12160	0	12160	2689	14849	49.95
19	5376	1088	420	6884	757	2663	0	6	3841	3684	-1313	12681	0	12681	2678	15359	49.98
20	5748	730	428	6906	783	2925	0	0	4379	4162	-1197	13579	0	13579	2676	16255	49.86
21	5771	338	419	6528	723	3049	0	0	3892	3824	-815	13309	0	13309	2527	15836	49.93
22	5662	348	423	6433	654	3071	0	0	3425	3591	-659	13090	0	13090	2428	15518	50.03
23	5655	150	434	6239	702	3085	0	0	3532	3410	-717	12719	0	12719	2262	14981	50.02
24	5407	148	423	5978	639	3129	0	0	3797	3292	-882	12156	0	12156	2052	14208	50.04
MUs	123.7 1	7.70	7.54	138.95	26.82	63.39	0.00	1.12	92.96	92.95	-24.92	298.31	0.00	298.31	55.68	353.98	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/2017

Position as on 6.30 Hrs of 22/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 21/Aug/2017

Position as on 6.30 Hrs of 22/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 A0	120	19/08/2017	03.40	21/08/2017	06.20	Low Voltage.	
MSPGCL	Chandrapur Unit 3	210	19/08/2017	23.15	22/08/2017	05.51	Turbine high pressure control wall Problem.	
MSPGCL	Uran Unit 6	108	20/08/2017	07.18	21/08/2017	10.50	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.	
MSPGCL	Koyna Unit 1	75	21/08/2017	08.00	21/08/2017	19.10	Preventive Maintenance Work	
MSPGCL	Khaparkheda Unit 5	500	21/08/2017	16.04		Continued.	Due to poor coal Receipt.	
MSPGCL	Bhusawal Unit 3	210	21/08/2017	23.44		Continued.	Zero Schedule.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Aug/2017

Statement-VII

Position as on 6.30 Hrs of 22/Aug/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Koradi III - Tirora - I	IntraState	21/08/2017	09.36	21/08/2017	12.47	PO	Line reactor testing and maintenance work.
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
Ektuni-Bableshwar ckt I	IntraState	10/08/2017	06.43		Continued.	HT	Emergency outage on padghe bblsr ckt.
Bhusawal-Aurangabad	IntraState	19/08/2017	16.45		Continued.	HT	Over Voltage
Chandrapur-II - Nanded ckt II	IntraState	20/08/2017	04.11		Continued.	T	Over Voltage
Parly(MS)- Nanded ckt II	IntraState	20/08/2017	04.11		Continued.	T	Over Voltage
karad -kolhapur-I	IntraState	20/08/2017	09.19	21/08/2017	14.47	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	21/08/2017	08.47	HT	Over Voltage
Nagothane - Dabhol-II	IntraState	21/08/2017	14.40	21/08/2017	17.20	PO	Attending Hot Spot
karad -kolhapur-II	IntraState	21/08/2017	15.15		Continued.	PO	Quarterly Maintanance Work
Lonikand I - Koyna stage-IV	IntraState	22/08/2017	01.08	22/08/2017	06.35	HT	Over Voltage
Kalwa - Kharghar	IntraState	22/08/2017	06.29		Continued.	EO	Attending Hot Spot
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.
400/220/33 Kv 315 Mva Ict- 2 @Kharghar	IntraState	19/08/2017	17.48	21/08/2017	17.42	PO	Shift on TBC as own breaker tripped on PDR.
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.
Tillari Amona	InterState	21/08/2017	03.55	21/08/2017	05.19	T	Distance Protection
Mahalakshmi Amona	InterState	21/08/2017	03.55	21/08/2017	05.27	T	Distance Protection
Mahalakshmi Amona	InterState	21/08/2017	12.28	21/08/2017	13.55	T	TRip from Amona end.
Mahalakshmi Amona	InterState	22/08/2017	02.31		Continued.	T	Over Voltage
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 I	IntraState	21/08/2017	07.40	21/08/2017	19.39	PO	Bus Isolator Replacement work.
Hamidwada-Mumewadi	IntraState	21/08/2017	07.46	21/08/2017	17.45	PO	Bus Isolator Replacement work.
Mumewadi -Halkarni II	IntraState	21/08/2017	07.46	21/08/2017	19.39	PO	Bus Isolator Replacement work.
Mumewadi-Belewadi	IntraState	21/08/2017	07.50	21/08/2017	17.52	PO	Bus Isolator Replacement work.
Loteparshuram- Dasturi Line	IntraState	21/08/2017	08.19	21/08/2017	18.05	PO	Bus Isolator Replacement work.
Dasturi-Kandalgaon Line	IntraState	21/08/2017	08.40	21/08/2017	12.30	PO	Bus Isolator Replacement work.
Main Bus @ Dasturi	IntraState	21/08/2017	08.47	21/08/2017	12.30	PO	Bus Isolator Replacement work.
Tilari - Amona2	IntraState	21/08/2017	12.28	21/08/2017	14.00	T	Trip from Amona end.
Halkarni-Mahalaxmiline	IntraState	21/08/2017	12.52	21/08/2017	19.56	PO	Bus bar Relay Replacement work.
220kv Halkarni- Tillary	IntraState	21/08/2017	12.52	21/08/2017	15.00	PO	Bus bar relay Replacement work.

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/2017

Statement-VII

Position as on 6.30 Hrs of 22/Aug/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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 100MVA ICT-I @ Shivajinagar	IntraState	21/08/2017	04.55	21/08/2017	08.10	T	Problem in Relay.
100 KV LINE Outages/Trippings							
Borivali II - TATA II	IntraState	21/08/2017	12.59	21/08/2017	15.05	PO	Shifted on TBC.