

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 31/Aug/2017 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	98.890	3977.606	1) Gujrat	2.171	66.855
2) Hydro	10.982	243.626	2) Madhya Pradesh	15.493	487.042
3) Gas	5.404	252.579	3) Chattisgarh	5.550	181.500
Total MSPGCL	115.276	4473.811	4) Maharashtra Net	88.586	2897.834
B) 1) APML	42.017	1383.682	5) Goa (Amona)	0.000	-9.394
2) JSWEL	16.796	448.028	Total	111.800	3623.837
3) VIPL	7.485	202.876	a) Mumbai Schedule	19.098	645.080
4) RPL(AMT)	17.344	309.132	b) Mumbai Drawl	24.687	797.730
5) WPCL	2.642	93.464	c) MSEDCL Bilateral *	10.451	538.357
6) PGPL	0.000	0.000	Include PX	-2.652	54.333
7) Other IPP	3.491	114.882	d) Mumbai Bilateral *	19.098	645.080
C) 1) TPCL Thermal	14.941	445.380	Include PX	3.433	189.206
2) TPCL Hydro	6.490	148.283	Include Standby	0.000	0.000
3) TPCL Gas	1.928	101.552	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.012	311.890	1) MSEDCL	318.823	10746.803
D) STATE			2) Mumbai Discoms	58.058	1804.823
1) Thermal	213.618	7286.940	TOTAL STATE	376.881	12551.626
(A1+C1+C4+(B1-B6))					
2) Hydro	17.472	391.909			
(A2+C2)					
3) Gas	7.332	354.131			
(A3+B6+C3)					
4) Wind	24.381	840.987			
6) SOLAR	2.278	53.834			
TOTAL STATE	265.081	8927.801			

* 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 3 Hrs
MSPGCL Thermal	4186	4229	4171	3919
MSPGCL Hydro	373	94	1390	236
MSPGCL Gas	242	258	241	148
MSPGCL Total Generation	4801	4581	5802	4303
Central Sector Receipt	5468	5053	4656	3802
WIND	1108	1309	972	708
CPP / IPP Thermal	3834	3539	3944	3867
CPP / IPP Gas	0	0	0	0
SOLAR	170	314	0	0
Exchange with Mumbai	-763	-1503	-986	-677
MSEDCL DEMAND MET	14618	13293	14389	12003
Load Shedding	0	0	0	0
MSEDCL DEMAND	14618	13293	14389	12003
TPCL GENERATION	977	1130	1237	735
R-INFRA GENERATION	489	373	499	376
MUMBAI DEMAND	2229	3006	2722	1788
STATE DEMAND MET	16847	16299	17111	13791
STATE DEMAND	16847	16299	17111	13791
Frequency (Hz)	50.00	50.03	49.97	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 06.01 Hrs	49.83 Hz at 19.29 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 31/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	3.24	34.39	165	90
Unit 8	8.70	233.56	520	0
Unit 9	11.54	321.62	501	460
Unit 10	0.00	311.24	0	0
Total	23.48	900.80		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	52.38	0	0
Unit 4	0.00	286.54	0	0
Unit 5	7.65	133.48	360	300
Total	7.65	472.41		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.67	102.72	200	188
Unit 7	3.12	72.29	191	0
Unit 8	0.00	0.00	0	0
Total	7.79	175.01		
Chandrapur				
Unit 3	4.38	124.15	190	163
Unit 4	0.00	95.69	0	0
Unit 5	8.50	266.96	375	325
Unit 6	7.75	272.90	360	295
Unit 7	0.00	244.67	0	0
Unit 8	10.24	306.28	500	325
Unit 9	0.00	189.50	0	0
Total	30.87	1500.16		
Paras				
Unit 3	4.76	161.08	238	187
Unit 4	4.74	163.97	232	181
Total	9.50	325.04		
Khaparkheda				
Unit 1	2.56	81.36	130	80
Unit 2	2.02	82.85	100	60
Unit 3	2.90	77.58	160	0
Unit 4	0.00	0.00	0	0
Unit 5	7.80	226.88	400	220
Total	15.27	468.66		
Nasik				
Unit 3	0.00	38.47	0	0
Unit 4	4.32	95.60	204	165
Unit 5	0.00	1.46	0	0
Total	4.32	135.53		
Uran				
All Units	5.40	252.58	265	138
Total	5.40	252.58		
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)	0.05	1.39	37	0
Total	0.05	1.39		
Koyna				
Stage 1-2	3.58	83.64	555	40
Stage 4	2.82	52.44	750	0
Stage 3	1.91	44.99	240	0
Total	8.31	181.08		
Hydro				
KDPH	0.00	6.40	0	0
VTRNA	0.93	17.18	61	0
TILLARI	0.16	1.63	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.40	12.40	80	0
RNGR+BHTSA	0.47	7.01	20	19
BHANDARDRA	0.34	9.78	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.37	8.16	16	15
GHATGHAR	0.00	0.00	0	0
Total	2.67	62.55		
Wind				
Total	24.38	840.99	0	0
Total	24.38	840.99		
CPP				
APML(Mus)	42.02	1383.68	0	0
JSWEL(Mus)	16.80	448.03	0	0
VIPL(Mus)	7.48	202.88	0	0
RPLAMT(Mus)	17.34	309.13	0	0
WPCL(Mus)	2.64	93.46	0	0
Other(Mus)	3.49	114.88	0	0
Total	89.78	2552.06		
SOLAR				
Total	2.28	53.83	0	0
Total	2.28	53.83		
Tata				
Trombay 5	9.58	283.75	468	302
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.04	60.89	45	42
Trombay 7B	0.88	40.66	38	36
Trombay 8	5.36	161.63	240	198
TATA Hydro	6.49	148.28	462	75
Total	23.36	695.22		
R-INFRA				
DTPS U-1&2	10.01	311.89	502	373
Total	10.01	311.89		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	98.89	3977.61	MSPGCL Total	115.28	4473.81
			MSPGCL Thml+Gas	104.29	4230.18	Koyna 1,2 & 4 Total	6.40	136.08
			MSPGCL Hydro	10.98	243.63	State Total	265.08	8927.80

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 31/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	4281	187	145	4613	693	3849	0	0	3979	3986	-863	12278	0	12278	2041	14319	49.96
2	4179	191	138	4508	641	3872	0	0	3707	3973	-842	12152	0	12152	1922	14074	49.99
3	3919	236	148	4303	708	3867	0	0	3678	3802	-677	12003	0	12003	1788	13791	49.98
4	3740	156	173	4069	710	3878	0	0	3839	4075	-635	12097	0	12097	1697	13794	50.03
5	3779	196	193	4168	797	3874	0	0	4238	4291	-627	12503	0	12503	1666	14169	49.99
6	3903	231	185	4319	830	3874	0	0	4536	4607	-676	12954	0	12954	1717	14671	50.01
7	4043	451	233	4727	1026	3872	0	11	5079	5012	-582	14065	0	14065	1871	15936	49.98
8	4144	386	253	4783	1019	3858	0	86	5152	5250	-611	14385	0	14385	1994	16379	50.04
9	4186	373	242	4801	1108	3834	0	170	5299	5468	-763	14618	0	14618	2229	16847	50.00
10	4135	462	260	4857	1236	3670	0	183	5400	5240	-1211	13975	0	13975	2544	16519	50.00
11	4312	307	238	4857	1272	3627	0	233	5310	5269	-1511	13747	0	13747	2884	16631	50.00
12	4314	176	249	4739	1324	3619	0	327	5184	5136	-1442	13704	0	13704	2976	16680	50.02
13	4229	94	258	4581	1309	3539	0	314	5264	5053	-1503	13293	0	13293	3006	16299	50.03
14	4070	109	239	4418	1459	3419	0	249	4729	4982	-1426	13101	0	13101	2846	15947	50.01
15	4118	99	257	4474	1599	3397	0	240	4564	4732	-1384	13058	0	13058	2820	15878	49.94
16	3992	437	238	4667	1477	3399	0	232	4477	4785	-1353	13207	0	13207	2850	16057	49.96
17	4094	533	250	4877	1266	3396	0	164	4212	4736	-1389	13050	0	13050	2842	15892	50.00
18	4192	284	250	4726	1148	3433	0	62	4402	4616	-1386	12598	0	12598	2816	15414	50.01
19	4147	392	240	4779	1086	3732	0	7	4699	4856	-1176	13284	0	13284	2695	15979	49.99
20	4171	1390	241	5802	972	3944	0	0	4672	4656	-986	14389	0	14389	2722	17111	49.97
21	4170	1475	241	5886	778	3996	0	0	4201	4472	-987	14145	0	14145	2732	16877	50.00
22	4234	1290	232	5756	707	4036	0	0	4059	4088	-820	13767	0	13767	2566	16333	50.01
23	4284	876	236	5396	538	3970	0	0	4230	4394	-897	13401	0	13401	2482	15883	49.98
24	4254	651	265	5170	678	3822	0	0	4237	4323	-940	13053	0	13053	2352	15405	50.03
MUs	98.89	10.98	5.40	115.28	24.38	89.78	0.00	2.28	109.15	111.80	-24.69	318.82	0.00	318.82	58.06	376.88	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 31/Aug/2017

Position as on 6.30 Hrs of 01/Sep/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	
MSPGCL	Nasik Unit 3	210	10/08/2017	00.00		Continued.	Withdrawn for maintenance work. Converted to COH from 15.08.2017.	
MSPGCL	Chandrapur Unit 4	210	22/08/2017	23.56		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 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 4	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-1	125	28/07/2017	00.00		Continued.	RBDV leakage attending work.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 31/Aug/2017

Position as on 6.30 Hrs of 01/Sep/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Ghatghar Unit-2	125	28/07/2017	00.00		Continued.	due to common pressure shaft with unit 1.	
IPP	Adani U-1	660	07/08/2017	00.29		Continued.	AIR PREHEATER PROBLEM.	
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	
IPP	Adani U-2	660	11/08/2017	16.49		Continued.	Furnace Pressure High	
MSPGCL	Chandrapur Unit 9	500	18/08/2017	15.26		Continued.	Turbine sharp Vibration problem.	
IPP	RPL(AMT) U-2	270	20/08/2017	16.02		Continued.	Zero Schedule Given By MSEDCL.	
MSPGCL	Uran Unit 6	108	24/08/2017	09.33		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 7	500	26/08/2017	00.23		Continued.	Stem line leakage	
CPP	SWPGL U-3	135	26/08/2017	17.40		Continued.	Boiler Tube Leakage	
MSPGCL	Bhusawal Unit 3	210	27/08/2017	07.43		Continued.	Low furnace pressure	
MSPGCL	Uran Unit A0	120	28/08/2017	22.28	31/08/2017	06.23	Gas shortage	
MSPGCL	Uran Unit 5	108	28/08/2017	22.28	31/08/2017	00.46	Gas shortage	
MSPGCL	Bhusawal Unit 4	500	28/08/2017	23.00		Continued.	poor coal receipt	
MSPGCL	Khaparkheda Unit 3	210	29/08/2017	16.56	31/08/2017	02.53	Boiler Tube Leakage	
MSPGCL	Koradi Unit 10	660	30/08/2017	12.51		Continued.	poor coal receipt.	
MSPGCL	Koradi Unit-8	660	31/08/2017	02.33	31/08/2017	05.10	PA Fan problem	
MSPGCL	Parli Unit 7	250	31/08/2017	14.50	31/08/2017	20.36	Drum level low	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Aug/2017

Statement-VII

Position as on 6.30 Hrs of 01/Sep/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
HVDC Pole-I	IntraState	31/08/2017	02.33	31/08/2017	04.23	T	Y ph base filter problem at Chandrapur end.
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	30/08/2017	17.08	31/08/2017	08.55	HT	Over Voltage
Dabhol Nagothane I	InterState	31/08/2017	09.37	31/08/2017	16.41	T	Distance Protection
Dabhol Nagothane II	InterState	31/08/2017	17.09	31/08/2017	18.57	HT	Tree cutting.
Dhule Sar'Sarovar II	InterState	31/08/2017	18.49	01/09/2017	06.52	HT	Over Voltage
Karad - Jaigad - II	IntraState	20/08/2017	15.07		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	23/08/2017	20.09		Continued.	HT	Over Voltage
Ektuni-Bableshwar ckt II	IntraState	26/08/2017	20.35		Continued.	HT	To control load on PDG-BBLR.
karad -kolhapur-II	IntraState	28/08/2017	16.38		Continued.	HT	Over Voltage
Girwali- Lonikand 2	IntraState	31/08/2017	13.46	31/08/2017	17.27	PO	Line Maintenance work
Lonikand I - Koyna stage-IV	IntraState	01/09/2017	03.08	01/09/2017	06.35	HT	Over Voltage
400 KV ICT Outages/Trippings							
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	30/08/2017	10.25		Continued.	EO	Attending Oil Leakage fom radiator.
400/220 Kv 600 MVA ICT-II @Kalwa	IntraState	31/08/2017	07.27	31/08/2017	14.10	T	Rph HV side.L.A.burst
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.
Chandrapur GCR - Sicom I	IntraState	31/08/2017	07.58	31/08/2017	17.55	PO	Tan Delta Measurment .
Virur - Gadchiroli	IntraState	31/08/2017	11.30	31/08/2017	15.05	PO	Tightening of pilot string suspension clamp.
Trombay - Mulund	IntraState	31/08/2017	11.37	31/08/2017	11.52	T	Distance Protection
Ranjangaon-Lonikand	IntraState	31/08/2017	12.16	31/08/2017	17.34	PO	Breaker work.
Bus Coupler @ Butibori	IntraState	31/08/2017	13.46		Continued.	PO	Tan delta and CB timing, CRM.
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 150 Mva Emco Ict 1 @Ambazari	IntraState	31/08/2017	11.10	31/08/2017	16.58	PO	Panel wiring diagnostic testing work.
220/132 KV 200 MVA ICT-III @ Nanded	IntraState	31/08/2017	11.47	31/08/2017	12.27	PO	Buccholz relay covering.
220/132 Kv 150 MVA ICT II @ Eklahre-Nashik (Gcr)	IntraState	31/08/2017	13.20	31/08/2017	13.54	PO	Relay Testing Work.

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