

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 31/Aug/2019 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	101.307	2727.242	1) Gujrat	11.474	243.209
2) Hydro	5.162	274.008	2) Madhya Pradesh	4.015	184.807
3) Gas	6.187	230.075	3) Chattisgarh	1.650	66.820
Total MSPGCL	112.656	3231.325	4) Maharashtra	110.829	3250.722
B) 1) APLM	58.176	1824.859	5) Goa (Amona)	-0.440	-15.092
2) JSWEL	18.897	654.668	Total	127.528	3730.466
3) VIPL	0.000	0.000	a) Mumbai Schedule	23.021	717.378
4) RPL(AMT)	18.830	346.827	b) Mumbai Drawl	32.138	890.333
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	21.102	419.772
6) Other IPP	2.981	81.706	Include PX	10.116	20.344
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	23.021	715.684
C) 1) TPCL Thermal	12.125	366.530	Include PX	6.895	193.963
2) TPCL Hydro	4.092	177.719	Standby	0.000	1.694
3) TPCL Gas	3.268	88.753	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.932	308.171	1) MSEDCL	342.140	10391.162
D) STATE			2) Mumbai Discoms	60.554	1831.507
1) Thermal	221.248	6310.003	TOTAL STATE	402.694	12222.669
(A1+C1+C4+(B1-B6))					
2) Hydro	9.254	451.727			
(A2+C2)					
3) Gas	9.455	318.828			
(A3+B7+C3)					
4) Wind	31.053	1273.814			
6) SOLAR	4.157	137.830			
TOTAL STATE	275.167	8492.202			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4153	4202	4495	4249
MSPGCL Hydro	218	135	332	115
MSPGCL Gas	251	260	250	262
MSPGCL Total Generation	4622	4597	5077	4626
Central Sector Receipt	6461	6102	5203	4365
WIND	1313	1330	1460	933
CPP / IPP Thermal	4021	4046	4589	4079
CPP / IPP Gas	0	0	0	0
SOLAR	580	589	0	0
Exchange with Mumbai	-1635	-1689	-1392	-961
MSEDCL DEMAND MET	15362	14975	14937	13042
Load Shedding	0	0	0	0
MSEDCL DEMAND	15362	14975	14937	13042
TPCL GENERATION	1010	923	991	634
AEML GENERATION	373	372	373	371
MUMBAI DEMAND	3018	2984	2756	1966
STATE DEMAND MET	18380	17959	17693	15008
STATE DEMAND	18380	17959	17693	15008
Frequency (Hz)	49.95	50.03	50.02	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 15.03 Hrs	49.82 Hz at 18.48 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/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	2.25	27.00	140	0
Unit 7	0.00	10.79	0	0
Unit 8	0.00	94.67	0	0
Unit 9	7.73	73.74	360	270
Unit 10	6.09	171.64	286	226
Total	16.06	377.84		
Bhusawal				
Unit 3	3.88	9.84	165	150
Unit 4	8.84	252.13	445	360
Unit 5	0.00	210.80	0	0
Total	12.72	472.77		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.79	21.83	220	190
Unit 7	4.76	45.68	227	148
Unit 8	0.00	0.00	0	0
Total	9.55	67.51		
Chandrapur				
Unit 3	1.58	57.80	165	0
Unit 4	2.73	78.05	160	63
Unit 5	8.63	207.17	370	350
Unit 6	7.12	214.93	395	175
Unit 7	0.00	0.00	0	0
Unit 8	9.07	159.99	470	360
Unit 9	5.35	187.99	382	0
Total	34.48	905.92		
Paras				
Unit 3	0.19	131.03	175	0
Unit 4	0.00	85.18	0	0
Total	0.19	216.21		
Khaparkheda				
Unit 1	2.92	72.60	145	90
Unit 2	0.00	34.18	0	0
Unit 3	3.32	101.10	145	127
Unit 4	3.91	71.84	180	150
Unit 5	7.48	252.11	350	290
Total	17.62	531.82		
Nasik				
Unit 3	3.18	41.48	160	32
Unit 4	3.78	81.28	167	116
Unit 5	3.72	32.40	166	135
Total	10.68	155.16		
Uran				
All Units	6.19	230.08	270	249
Total	6.19	230.08		
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	0.56	33	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.04	0.56		
Koyna				
Stage 1-2	1.80	77.48	260	40
Stage 4	0.00	58.12	0	0
Stage 3	1.24	54.60	160	0
Total	3.04	190.20		
Hydro				
KDPH	0.86	15.63	36	35
VTRNA	0.00	0.00	0	0
TILLARI	0.00	16.24	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.43	12.76	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.34	11.50	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.49	18.70	21	20
GHATGHAR	0.00	8.98	0	0
Total	2.13	83.81		
Wind				
Total	31.05	1273.81	0	0
Total	31.05	1273.81		
CPP				
APML(Mus)	58.18	1824.86	0	0
JSWEL(Mus)	18.90	654.67	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	18.83	346.83	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	2.98	81.71	0	0
Total	98.88	2908.06		
SOLAR				
Total	4.16	137.83	0	0
Total	4.16	137.83		
Tata				
Trombay 5	7.37	218.57	314	296
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.94	53.06	83	80
Trombay 7B	1.33	35.69	56	55
Trombay 8	4.76	147.96	201	197
TATA Hydro	4.09	177.72	363	0
Total	19.48	633.00		
AEML				
DTPS U-1&2	8.93	308.17	373	370
Total	8.93	308.17		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	101.31	2727.24	MSPGCL Total	112.66	3231.32
			MSPGCL Thml+Gas	107.49	2957.32	Koyna 1,2 & 4 Total	1.80	135.60
			MSPGCL Hydro	5.16	274.01	State Total	275.17	8492.20

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 31/Aug/2019

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	4411	164	262	4837	1171	4104	0	0	4766	4682	-1304	13490	0	13490	2359	15849	49.99
2	4256	290	250	4796	1043	4109	0	0	4498	4549	-1161	13336	0	13336	2178	15514	49.97
3	4235	130	261	4626	986	4123	0	0	4795	4406	-1047	13094	0	13094	2053	15147	49.96
4	4249	115	262	4626	933	4079	0	0	4514	4365	-961	13042	0	13042	1966	15008	49.99
5	4244	110	260	4614	908	4079	0	0	4627	4639	-933	13307	0	13307	1940	15247	50.00
6	4234	125	251	4610	836	4241	0	0	5803	5726	-1003	14410	0	14410	2008	16418	50.02
7	4242	190	262	4694	779	4287	0	17	6504	6471	-1073	15175	0	15175	2080	17255	50.01
8	4300	272	250	4822	1061	4382	0	133	6617	6233	-1150	15481	0	15481	2199	17680	50.03
9	4123	285	262	4670	1452	4132	0	272	6458	6260	-1268	15518	0	15518	2461	17979	50.04
10	4068	245	260	4573	1444	4039	0	368	6294	6539	-1499	15464	0	15464	2755	18219	50.00
11	4050	240	261	4551	1366	4116	0	524	6627	6428	-1666	15319	0	15319	2971	18290	50.01
12	4153	218	251	4622	1313	4021	0	580	6467	6461	-1635	15362	0	15362	3018	18380	49.95
13	4202	135	260	4597	1330	4046	0	589	6372	6102	-1689	14975	0	14975	2984	17959	50.03
14	4234	135	250	4619	1405	4047	0	523	5738	5655	-1641	14608	0	14608	2840	17448	50.02
15	4258	125	270	4653	1600	3992	0	459	5858	5406	-1534	14576	0	14576	2822	17398	50.01
16	4281	117	249	4647	1930	3930	0	373	5341	4972	-1556	14296	0	14296	2833	17129	50.01
17	4204	145	259	4608	1999	3927	0	257	4847	4723	-1503	14011	0	14011	2795	16806	49.93
18	4175	452	259	4886	1706	3963	0	60	4536	4766	-1523	13858	0	13858	2761	16619	50.02
19	4261	359	259	4879	1483	4182	0	2	5172	5021	-1371	14196	0	14196	2739	16935	49.98
20	4495	332	250	5077	1460	4589	0	0	5452	5203	-1392	14937	0	14937	2756	17693	50.02
21	4222	297	270	4789	1328	4217	0	0	5316	4903	-1374	13863	0	13863	2659	16522	50.00
22	4199	270	250	4719	1209	4132	0	0	5005	4773	-1311	13522	0	13522	2544	16066	50.04
23	4148	282	260	4690	1129	4086	0	0	4675	4679	-1252	13332	0	13332	2446	15778	50.01
24	4063	129	259	4451	1182	4061	0	0	4761	4566	-1292	12968	0	12968	2388	15356	50.02
MUs	101.31	5.16	6.19	112.66	31.05	98.88	0.00	4.16	131.04	127.53	-32.14	342.14	0.00	342.14	60.55	402.69	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/2019

Position as on 6.30 Hrs of 01/Sep/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CPP	SWPGL U-3	135	01/11/2018	00.28		Continued.	Annual Overhaul	
MSPGCL	Parli Unit 8	250	04/06/2019	00.00		Continued.	Zero Schedule (converted to AOH from 25/06/2019)	
MSPGCL	Koyna STG- IV Unit - 1	250	18/07/2019	14.30		Continued.	Breaker Air Pressure Problem(Converted for Capital Overhaul from DT.24-07-2019 for 60Days)	
IPP	RPL(AMT) U-2	270	25/07/2019	02.00	01/09/2019	16.06	Zero Schedule(Converted to AOH from 13.08.2019 at 00.00 Hrs)	
MSPGCL	Chandrapur Unit 7	500	27/07/2019	00.00		Continued.	Annual Overhaul	
MSPGCL	Khaparkhedda Unit 2	210	13/08/2019	15.01		Continued.	Flame Failure(Converted to AOH from 16-8-2019)	
MSPGCL	Koradi Unit-8	660	25/08/2019	00.01		Continued.	Annual Overhaul	
MSPGCL	Bhusawal Unit 5	500	25/08/2019	00.13		Continued.	Capital Overhaul	
MSPGCL	Paras Unit 4	250	25/08/2019	00.45		Continued.	Annual Overhaul	
FORCED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17:08		Continued.	Economic shutdown	
IPP	SWPGL U-1	135	16/02/2016	17.09		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	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Uran Unit 7	108	20/07/2018	12.53		Continued.	Compressor & Turbine Blade Failure.	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	Coal Shortage	
IPP	SWPGL U-2	135	27/11/2018	00.00		Continued.	No Schedule.	
CPP	SWPGL U-4	135	15/12/2018	00.00		Continued.	No Schedule	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal Shortage	
IPP	Dhariwal	300	01/07/2019	00.01		Continued.	NO SCHEDULE	
MSPGCL	Koyna Unit 10	80	05/08/2019	20.05		Continued.	Stator Earth Fault	
MSPGCL	Ghatghar Unit-1	125	13/08/2019	21.30		Continued.	Water Leakage	
MSPGCL	Uran Unit 6	108	21/08/2019	19.35		Continued.	Gas shortage	
MSPGCL	Koradi Unit 7	210	27/08/2019	09.52		Continued.	Coal Flow Problem Due To Wet Coal.	
MSPGCL	Chandrapur Unit 9	500	30/08/2019	09.44	31/08/2019	06.45	Due to Tripping of Air Heater Motor.	
MSPGCL	Paras Unit 3	250	31/08/2019	01.12		Continued.	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit 3	210	31/08/2019	16.21		Continued.	W/D Due To Wet Coal.	
MSPGCL	Koradi Unit 6	210	31/08/2019	22.15	01/09/2019	03.18	Flame Failure	
IPP	Adani U-3	660	01/09/2019	00.51		Continued.	APH 3B Support bearing Abnormal Sound.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 31/Aug/2019

Position as on 6.30 Hrs of 01/Sep/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	RPL(AMT) U-1	270	01/09/2019	09.11		Continued.	Generator Protection operated	
MSPGCL	Khaparkheda Unit 4	210	01/09/2019	14.41	01/09/2019	19.05	Furnace Pressure High	
MSPGCL	Bhusawal Unit 3	210	01/09/2019	17.56		Continued.	Zero Schedule.	
MSPGCL	Nasik Unit 5	210	01/09/2019	20.52	01/09/2019	22.30	Earth Fault	
IPP	RPL(AMT) U-2	270	01/09/2019	21.49		Continued.	Turbine Vibration High.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Aug/2019

Statement-VII

Position as on 6.30 Hrs of 01/Sep/2019

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 - Akola II- ckt-II	IntraState	31/08/2019	09.18	31/08/2019	18.55	PO	Annual Maintenance Work,line Equipment's Along with Line Reactor.
Ektuni-Akola II Ckt 2	IntraState	01/09/2019	09.22	01/09/2019	20.06	PO	Annual Maintenance of Line Equipments : Kept Open On High Voltage (RCE):18:42Hrs 31/13.
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 Khandwa I	InterState	26/08/2019	09.04		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	29/08/2019	17.36		Continued.	HT	Over Voltage
Girwali - Lonikand 1	IntraState	31/08/2019	12.01	31/08/2019	15.55	PO	SSN To DSN Conservation.
Karad-Jaigad - I	IntraState	01/09/2019	01.12		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	01/09/2019	22.05		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 Mva ICT 1 @Padghe	IntraState	15/11/2018	10.07		Continued.	T	Differential Protection, Declared Faulty.
400/220/33 Kv 500 Mva Ict 1 @ CHANDRAPUR 2	IntraState	12/04/2019	17.10		Continued.	HT	Due To CVT Porcelain Collars Of The ICT-1 are Damaged.
400/220/33 Kv 315 MVA ICT -I @Nagothane	IntraState	31/08/2019	04.48	01/09/2019	12.25	T	Bucchoz Alarm.
400/220 Kv 500 MVA ICT-III @Kalwa	IntraState	01/09/2019	09.21	01/09/2019	11.30	PO	Oil Top Up Work In R Ph OLTC & Y Ph Main Tank.
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.
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Miraj - Tilwani	IntraState	09/08/2019	05.27		Continued.	T	Dist.Protection(Tower Bending Location no.28,29)
Bus B @ Padaghe	IntraState	31/08/2019	03.20	31/08/2019	19.45	EO	To Replace B-PH Broken Conductor Near 220KV Pal Bay System.
Kandalgaon - Pirangut	IntraState	31/08/2019	05.26	31/08/2019	17.55	T	Distance Protection, Z1, Y-Ph, 2.9KA, 33KM.
Pophali - Pedambe II	IntraState	31/08/2019	10.00	31/08/2019	13.55	EO	Attending SF6 GAS Leakage On B-PH Breaker.
Nagothane-Wadkhal II	IntraState	31/08/2019	11.40	31/08/2019	23.05	PO	Dead End Assembly Replacement.
Eklahara-(Ocr)(Nashik)-Navasari I	IntraState	31/08/2019	13.38	31/08/2019	17.34	PO	Routine Maintenance Work
Eklahare (Gcr)(Nashik)- Ghatghar	IntraState	01/09/2019	01.46	01/09/2019	12.56	T	R-Phase Insulator String Flashover At Location No.1
Salsette Borivli 2	IntraState	01/09/2019	10.10	01/09/2019	14.00	PO	Compound Leakage In Cable.
220 KV ICT Outages/Trippings							
220/22 Kv 50 Mva Imp Ptr 1 @Airoli Knowledge Park	IntraState	31/08/2019	11.21	31/08/2019	13.26	T	Due to LV SIDE LA Brust.
220/100 Kv 100 MVA ICT I @Vasai-II	IntraState	31/08/2019	12.14	31/08/2019	13.26	PO	LV CB Overhauling Work.
220/132KV 100MVA ICT-II@Shivajinagar	IntraState	31/08/2019	17.20	31/08/2019	19.05	PO	Quarterly Maintanance Work
200KV 250MVA ICT-1@Borivali (T)	IntraState	01/09/2019	09.32	01/09/2019	14.30	PO	Testing Work
220/22-22 Kv 100 Mva Aval Ptr 1 @Wada	IntraState	01/09/2019	19.15		Continued.	T	LV2 R phase LA Burst

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