

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 18/Sep/2019 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	77.245	1455.079	1) Gujrat	17.160	229.469
2) Hydro	13.851	305.489	2) Madhya Pradesh	6.647	47.924
3) Gas	3.017	33.701	3) Chattisgarh	3.130	47.580
Total MSPGCL	94.113	1794.269	4) Maharashtra	132.948	2025.021
B) 1) APLM	51.369	858.912	5) Goa (Amona)	-0.528	-12.474
2) JSWEL	22.871	381.196	Total	159.357	2337.520
3) VIPL	0.000	0.000	a) Mumbai Schedule	25.941	423.699
4) RPL(AMT)	24.311	362.256	b) Mumbai Drawl	30.986	545.523
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	20.336	253.814
6) Other IPP	2.546	49.516	Include PX	7.186	25.758
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	25.941	423.699
C) 1) TPCL Thermal	13.796	226.972	Include PX	13.240	184.821
2) TPCL Hydro	6.324	74.413	Standby	0.000	0.000
3) TPCL Gas	0.000	7.884	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.242	169.814	1) MSEDCL	337.859	6023.987
D) STATE			2) Mumbai Discoms	61.348	1024.598
1) Thermal	202.380	3503.745	TOTAL STATE	399.207	7048.585
(A1+C1+C4+(B1-B6))					
2) Hydro	20.175	379.902			
(A2+C2)					
3) Gas	3.017	41.585			
(A3+B7+C3)					
4) Wind	11.237	714.016			
6) SOLAR	3.041	71.825			
TOTAL STATE	239.850	4711.073			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	3359	3172	3085	3330
MSPGCL Hydro	704	282	1885	158
MSPGCL Gas	131	131	122	122
MSPGCL Total Generation	4194	3585	5092	3610
Central Sector Receipt	7855	7657	6310	4874
WIND	355	278	365	721
CPP / IPP Thermal	4264	4186	4449	4035
CPP / IPP Gas	0	0	0	0
SOLAR	389	466	0	0
Exchange with Mumbai	-1701	-1774	-1305	-762
MSEDCL DEMAND MET	15356	14398	14911	12478
Load Shedding	0	0	0	0
MSEDCL DEMAND	15356	14398	14911	12478
TPCL GENERATION	917	896	1112	638
AEML GENERATION	494	456	492	373
MUMBAI DEMAND	3112	3126	2909	1773
STATE DEMAND MET	18468	17524	17820	14251
STATE DEMAND	18468	17524	17820	14251
Frequency (Hz)	50.02	50.01	50.02	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 10.01 Hrs	49.62 Hz at 18.44 Hrs	49.98	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 18/Sep/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	10.19	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	0.00	0	0
Unit 9	5.73	91.78	304	90
Unit 10	5.54	64.40	296	150
Total	11.26	166.37		
Bhusawal				
Unit 3	0.00	2.92	0	0
Unit 4	11.00	169.59	490	410
Unit 5	0.00	0.00	0	0
Total	11.00	172.50		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.72	84.79	221	148
Unit 7	4.85	87.07	238	169
Unit 8	0.00	0.00	0	0
Total	9.57	171.86		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	2.70	52.68	137	86
Unit 5	6.91	122.00	300	270
Unit 6	6.59	117.22	350	215
Unit 7	0.00	0.00	0	0
Unit 8	0.00	114.13	0	0
Unit 9	7.19	123.28	380	0
Total	23.40	529.32		
Paras				
Unit 3	3.59	38.76	222	0
Unit 4	0.00	0.00	0	0
Total	3.59	38.76		
Khaparkheda				
Unit 1	0.00	34.17	0	0
Unit 2	0.00	0.00	0	0
Unit 3	3.75	43.27	170	130
Unit 4	4.12	61.48	180	165
Unit 5	6.99	130.05	300	270
Total	14.86	268.98		
Nasik				
Unit 3	3.56	37.59	159	139
Unit 4	0.00	33.99	0	0
Unit 5	0.00	35.72	0	0
Total	3.56	107.29		
Uran				
All Units	3.02	33.70	132	120
Total	3.02	33.70		
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)	1.26	12.53	54	50

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	1.26	12.53		
Koyna				
Stage 1-2	4.12	51.15	565	40
Stage 4	4.17	138.89	750	0
Stage 3	1.87	58.00	240	0
Total	10.16	248.04		
Hydro				
KDPH	0.88	14.90	37	36
VTRNA	0.00	0.00	0	0
TILLARI	0.32	10.65	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.36	6.92	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.34	6.20	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	1.26	15.93	54	52
GHATGHAR	0.52	2.85	125	0
Total	3.69	57.45		
Wind				
Total	11.24	714.02	0	0
Total	11.24	714.02		
CPP				
APML(Mus)	51.37	858.91	0	0
JSWEL(Mus)	22.87	381.20	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	24.31	362.26	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	2.55	49.52	0	0
Total	101.10	1651.88		
SOLAR				
Total	3.04	71.82	0	0
Total	3.04	71.82		
Tata				
Trombay 5	8.96	141.99	460	306
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.00	4.66	0	0
Trombay 7B	0.00	3.22	0	0
Trombay 8	4.84	84.98	216	184
TATA Hydro	6.32	74.41	460	147
Total	20.12	309.27		
AEML				
DTPS U-1&2	10.24	169.81	494	373
Total	10.24	169.81		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	77.24	1455.08	MSPGCL Total	94.11	1794.27
			MSPGCL Thml+Gas	80.26	1488.78	Koyna 1,2 & 4 Total	8.49	190.24
			MSPGCL Hydro	13.85	305.49	State Total	239.85	4711.07

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 18/Sep/2019

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	3205	143	132	3480	780	4138	0	0	5830	5535	-907	13026	0	13026	2081	15107	50.04
2	3199	143	122	3464	724	4001	0	0	5501	5530	-904	12815	0	12815	1921	14736	50.02
3	3172	168	121	3461	779	3980	0	0	5261	5293	-817	12696	0	12696	1828	14524	50.03
4	3330	158	122	3610	721	4035	0	0	5277	4874	-762	12478	0	12478	1773	14251	50.03
5	3349	148	132	3629	696	4036	0	0	5300	5458	-755	13064	0	13064	1768	14832	49.99
6	3284	208	121	3613	654	4092	0	0	6248	6204	-855	13708	0	13708	1881	15589	49.93
7	3257	845	122	4224	524	4259	0	8	7001	7016	-843	15188	0	15188	2080	17268	49.94
8	3335	456	132	3923	552	4274	0	71	7655	7735	-976	15579	0	15579	2282	17861	50.00
9	3280	321	121	3722	503	4287	0	171	7988	7944	-1266	15361	0	15361	2592	17953	49.94
10	3303	750	122	4175	399	4286	0	280	7993	7739	-1484	15395	0	15395	2904	18299	49.96
11	3359	704	131	4194	355	4264	0	389	8214	7855	-1701	15356	0	15356	3112	18468	50.02
12	3373	352	122	3847	268	4184	0	446	8318	8248	-1955	15038	0	15038	3177	18215	49.99
13	3172	282	131	3585	278	4186	0	466	7964	7657	-1774	14398	0	14398	3126	17524	50.01
14	3066	237	120	3423	394	4169	0	475	7796	7576	-1753	14284	0	14284	3006	17290	50.03
15	3199	380	131	3710	422	4199	0	363	7834	7558	-1823	14429	0	14429	3000	17429	49.97
16	3187	245	122	3554	458	4188	0	227	7818	7578	-1803	14202	0	14202	2982	17184	49.98
17	3280	246	131	3657	507	4029	0	117	7338	7387	-1741	13956	0	13956	2960	16916	49.96
18	3330	268	122	3720	585	4150	0	28	7269	7086	-1696	13873	0	13873	2940	16813	49.96
19	3072	1458	131	4661	394	4360	0	0	6508	6669	-1467	14617	0	14617	2950	17567	49.79
20	3085	1885	122	5092	365	4449	0	0	6041	6310	-1305	14911	0	14911	2909	17820	50.02
21	3042	1794	132	4968	311	4485	0	0	5793	5752	-1195	14321	0	14321	2791	17112	50.02
22	3105	1364	121	4590	186	4502	0	0	5739	5462	-1043	13697	0	13697	2641	16338	50.01
23	3150	847	122	4119	225	4346	0	0	5818	5549	-1093	13146	0	13146	2441	15587	49.98
24	3111	449	132	3692	157	4198	0	0	5449	5342	-1068	12321	0	12321	2203	14524	49.98
MUs	77.24	13.85	3.02	94.11	11.24	101.10	0.00	3.04	161.95	159.36	-30.99	337.86	0.00	337.86	61.35	399.21	49.98

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 18/Sep/2019

Position as on 6.30 Hrs of 19/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	Koyana 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)	
MSPGCL	Chandrapur Unit 7	500	27/07/2019	00.00		Continued.	Annual Overhaul	
MSPGCL	Khaparkheda 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.	No PPA	
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	Koyana Unit 10	80	05/08/2019	20.05		Continued.	Stator Earth Fault	
MSPGCL	Koradi Unit 7	210	27/08/2019	09.52		Continued.	Coal Flow Problem Due To Wet Coal.	
MSPGCL	Chandrapur Unit 3	210	31/08/2019	16.21		Continued.	W/D Due To Wet Coal.	
IPP	Adani U-3	660	01/09/2019	00.51	18/09/2019	21.00	APH 3B Support bearing Abnormal Sound.	
IPP	RPL(AMT) U-1	270	01/09/2019	09.11		Continued.	Generator Protection operated	
MSPGCL	Bhusawal Unit 3	210	01/09/2019	17.56		Continued.	Zero Schedule.	
MSPGCL	Uran Unit A0	120	03/09/2019	04.22		Continued.	HP feed water pump fault.	
MSPGCL	Uran Unit 5	108	03/09/2019	04.24		Continued.	boiler discrepancy.	
TPC-G	Trombay 7B	60	03/09/2019	10.42		Continued.	Gas shortage due to fire at ONGC.	
TPC-G	Trombay 7A	120	03/09/2019	10.56		Continued.	Gas shortage due to fire at ONGC.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 18/Sep/2019

Position as on 6.30 Hrs of 19/Sep/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koradi Unit 6	210	06/09/2019	15.41		Continued.	Zero Schedule	
MSPGCL	Paras Unit 3	250	12/09/2019	00.01	18/09/2019	02.09	Zero Schedule.	
MSPGCL	Nasik Unit 4	210	12/09/2019	00.01		Continued.	zero schedule.	
MSPGCL	Uran Unit 6	108	12/09/2019	06.53		Continued.	Tripped during supply changeover	
MSPGCL	Nasik Unit 5	210	12/09/2019	16.20		Continued.	HP control valve problem	
MSPGCL	Khaparkheda Unit 1	210	13/09/2019	14.05		Continued.	Poor Coal	
MSPGCL	Chandrapur Unit-8	500	17/09/2019	02.23		Continued.	Electrical protection.	
MSPGCL	Chandrapur Unit 9	500	18/09/2019	17.59	18/09/2019	21.00	Lubrication Oil Pressure High.	
MSPGCL	Chandrapur Unit 4	210	18/09/2019	23.39		Continued.	Furnace Pressure High	
AEML	AEML Unit 1	250	19/09/2019	00:37		Continued.	preparatory work prior to carrying out flexible operation study	
IPP	Adani U-1	660	19/09/2019	01.43		Continued.	Due to Low Coal Stock.	
MSPGCL	Parli Unit 6	250	19/09/2019	06.24		Continued.	Poor Coal Receipt.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Sep/2019

Statement-VII

Position as on 6.30 Hrs of 19/Sep/2019

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							
Chandrapur - Padghe Hvdc Pole 2	IntraState	18/09/2019	12.00	18/09/2019	17.39	HT	Due to Sparking.
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 II	InterState	10/09/2019	20.20		Continued.	HT	Over Voltage
Padgha - Boisar (PG)	InterState	18/09/2019	11.50	18/09/2019	13.11	T	220KV Half Bus Section of Bus-1 Tripped Due to Sparking of 400/200 KV 500 MVA-5 LV Y-Phase Isolator.
Khadka-Aurangabad (Waluj)	IntraState	17/09/2019	17.34		Continued.	HT	Over Voltage
Deepnagar - Aurangabad	IntraState	17/09/2019	17.52	18/09/2019	12.31	T	Distance Protection
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 2 @Koradi	IntraState	18/09/2019	09.42	18/09/2019	19.08	PO	Diagnostic Testing Work.
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.
BADNERA - WARDHA (PG) (Deoli)	InterState	18/09/2019	18.48	18/09/2019	20.00	HT	By WRLDC For Over Drawl.
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)
Badnera - Nandgaonpeth	IntraState	13/09/2019	11.35	18/09/2019	19.47	PO	Erection and stringing of new D+9 Tower for proposed Railway Wagon repair(Up to 18-9-19)
Paranda-Barshi	IntraState	18/09/2019	10.02	18/09/2019	13.20	PO	Quarterly Maintenance Work
Pandharpur - Malinagar	IntraState	18/09/2019	10.30	18/09/2019	16.10	PO	Quarterly Maintenance Work
Mahape - TIFIL	IntraState	18/09/2019	10.43	18/09/2019	17.20	PO	Relay Testing Work.
Karad(400kv) - Ogalewadi Ckt 1	IntraState	18/09/2019	11.39	18/09/2019	15.38	PO	Coupling Capacitor Replacement Work.
Padghe - Jindal	IntraState	18/09/2019	11.50	18/09/2019	12.56	T	220KV Half Bus Section of Bus-1 Tripped Due to Sparking of 400/200 KV 500 MVA-5 LV Y-Phase Isolator.
Padghe - Jambhul 1	IntraState	18/09/2019	11.50	18/09/2019	18.59	T	220KV Half Bus Section of Bus-1 Tripped Due to Sparking of 400/200 KV 500 MVA-5 LV Y-Phase Isolator.
Lamboti - Pandharpur li	IntraState	18/09/2019	12.30	18/09/2019	14.10	PO	Quarterly Maintenance Work
Pedambe-Pophali	IntraState	18/09/2019	14.25	18/09/2019	14.40	PO	SF6 Gas Filling Work.
Urse - Talegaon (Ambi) Ckt 2	IntraState	18/09/2019	15.14	18/09/2019	19.00	HT	Y-Phase LA Blast at Talegaon.
Padgha-Temghar-II	IntraState	18/09/2019	15.47	18/09/2019	18.55	HT	For Load Management.
Chinchwad-Hinjewadi I	IntraState	18/09/2019	15.57	18/09/2019	19.08	HT	Load Relief on Urse-Talegaon-I
Urse - Talegaon (Ambi) Ckt 2	IntraState	18/09/2019	20.43	19/09/2019	01.47	T	B-Phase LA Blast at Talegaon.
220 KV ICT Outages/Trippings							
220/22 Kv 50 Mva T&R Ptr 2 @Padghe	IntraState	18/09/2019	11.50	18/09/2019	18.32	T	220KV Half Bus Section of Bus-1 Tripped Due to Sparking of 400/200 KV 500 MVA-5 LV Y-Phase Isolator.
220/22 Kv 50 Mva Bhel Ptr 1 @Padghe	IntraState	18/09/2019	11.50	18/09/2019	13.10	T	220KV Half Bus Section of BUS-1 Tripped Due to Sparking of 400/200 KV 500 MVA-5 LV Y-

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 18/Sep/2019

Statement-VII

Position as on 6.30 Hrs of 19/Sep/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							Phase Isolator.
220/100 Kv 200 Mva Vijai Ict 3 @Padghe	IntraState	18/09/2019	11.50	18/09/2019	16.50	T	220KV Half Bus Section of Bus-1 Tripped Due to Sparking of 400/200 KV 500 MVA-5 LV Y- Phase Isolator.
220/100 Kv 200MVA ICT-I @Padghe	IntraState	18/09/2019	11.50	18/09/2019	16.02	T	220KV Half Bus Section of Bus-1 Tripped Due to Sparking of 400/200 KV 500 MVA-5 LV Y- Phase Isolator.
220/100 kV 200 MVA ICT II @Padghe	IntraState	18/09/2019	16.30		Continued.	HT	Due To Leakage In HV Bushing.

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