

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 19/Sep/2019 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	75.261	1530.340	1) Gujrat	16.683	246.152
2) Hydro	18.251	323.940	2) Madhya Pradesh	7.394	55.318
3) Gas	2.610	36.311	3) Chattisgarh	2.760	50.340
Total MSPGCL	96.122	1890.591	4) Maharashtra	127.908	2152.929
B) 1) APLM	49.499	908.411	5) Goa (Amona)	-0.660	-13.134
2) JSWEL	21.106	402.302	Total	154.085	2491.605
3) VIPL	0.000	0.000	a) Mumbai Schedule	28.994	452.693
4) RPL(AMT)	23.667	385.923	b) Mumbai Drawl	34.171	579.694
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	22.343	276.157
6) Other IPP	2.311	51.827	Include PX	8.555	34.313
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	28.994	452.693
C) 1) TPCL Thermal	13.820	240.792	Include PX	15.274	200.095
2) TPCL Hydro	6.930	81.343	Standby	0.000	0.000
3) TPCL Gas	0.000	7.884	H) ENERGY CATERED (MUs)		
4) AEML Thermal	5.313	175.127	1) MSEDCL	325.831	6350.018
D) STATE			2) Mumbai Discoms	60.234	1084.832
1) Thermal	190.977	3694.722	TOTAL STATE	386.065	7434.850
(A1+C1+C4+(B1-B6))					
2) Hydro	25.181	405.283			
(A2+C2)					
3) Gas	2.610	44.195			
(A3+B7+C3)					
4) Wind	9.158	723.174			
6) SOLAR	4.054	75.879			
TOTAL STATE	231.980	4943.253			

* 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 18 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	3088	3162	3294	3084
MSPGCL Hydro	1296	166	1509	1083
MSPGCL Gas	122	0	91	122
MSPGCL Total Generation	4506	3328	4894	4289
Central Sector Receipt	7658	6990	5940	4856
WIND	182	913	885	86
CPP / IPP Thermal	3861	4226	4532	3784
CPP / IPP Gas	0	0	0	0
SOLAR	402	68	0	0
Exchange with Mumbai	-1875	-1584	-1437	-980
MSEDCL DEMAND MET	14734	13941	14814	12035
Load Shedding	0	0	0	0
MSEDCL DEMAND	14734	13941	14814	12035
TPCL GENERATION	780	1065	1128	645
AEML GENERATION	197	244	248	192
MUMBAI DEMAND	2852	2893	2813	1817
STATE DEMAND MET	17586	16834	17627	13852
STATE DEMAND	17586	16834	17627	13852
Frequency (Hz)	49.97	49.97	50.03	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 13.02 Hrs	49.66 Hz at 18.46 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 19/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	7.29	99.06	363	250
Unit 10	7.68	72.07	351	280
Total	14.96	181.33		
Bhusawal				
Unit 3	0.00	2.92	0	0
Unit 4	10.58	180.18	500	360
Unit 5	0.00	0.00	0	0
Total	10.58	183.09		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	1.02	85.81	175	0
Unit 7	5.30	92.36	248	191
Unit 8	0.00	0.00	0	0
Total	6.32	178.17		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	1.39	54.07	134	0
Unit 5	6.33	128.34	286	225
Unit 6	6.66	123.89	305	250
Unit 7	0.00	0.00	0	0
Unit 8	0.00	114.13	0	0
Unit 9	7.94	131.22	370	300
Total	22.33	551.65		
Paras				
Unit 3	1.86	40.63	150	0
Unit 4	0.00	0.00	0	0
Total	1.86	40.63		
Khaparkheda				
Unit 1	0.00	34.17	0	0
Unit 2	0.00	0.00	0	0
Unit 3	3.91	47.18	175	158
Unit 4	3.86	65.34	165	160
Unit 5	6.86	136.91	295	273
Total	14.62	283.60		
Nasik				
Unit 3	3.78	41.36	165	142
Unit 4	0.80	34.79	151	0
Unit 5	0.00	35.72	0	0
Total	4.58	111.87		
Uran				
All Units	2.61	36.31	132	0
Total	2.61	36.31		
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	13.79	53	50

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	1.26	13.79		
Koyna				
Stage 1-2	4.92	56.08	550	40
Stage 4	7.08	146.17	746	0
Stage 3	3.28	61.28	240	0
Total	15.28	263.52		
Hydro				
KDPH	0.87	15.77	37	36
VTRNA	0.00	0.00	0	0
TILLARI	0.39	11.04	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.34	7.26	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.34	6.55	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	1.02	16.95	44	42
GHATGHAR	0.00	2.85	0	0
Total	2.97	60.42		
Wind				
Total	9.16	723.17	0	0
Total	9.16	723.17		
CPP				
APML(Mus)	49.50	908.41	0	0
JSWEL(Mus)	21.11	402.30	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	23.67	385.92	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	2.31	51.83	0	0
Total	96.58	1748.46		
SOLAR				
Total	4.05	75.88	0	0
Total	4.05	75.88		
Tata				
Trombay 5	9.00	150.99	454	311
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	4.82	89.80	216	182
TATA Hydro	6.93	81.34	462	147
Total	20.75	330.02		
AEML				
DTPS U-1&2	5.31	175.13	288	192
Total	5.31	175.13		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	75.26	1530.34	MSPGCL Total	96.12	1890.59
			MSPGCL Thml+Gas	77.87	1566.65	Koyna 1,2 & 4 Total	12.01	202.24
			MSPGCL Hydro	18.25	323.94	State Total	231.98	4943.25

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 19/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	3156	1011	121	4288	145	4012	0	0	5179	5175	-1103	12517	0	12517	2046	14563	50.05
2	3138	967	132	4237	107	3850	0	0	5102	5214	-1063	12345	0	12345	1905	14250	50.03
3	3084	1083	122	4289	86	3784	0	0	5084	4856	-980	12035	0	12035	1817	13852	50.04
4	3157	754	121	4032	83	3916	0	0	5208	5194	-927	12298	0	12298	1765	14063	50.04
5	3150	836	132	4118	61	3928	0	0	5240	5366	-931	12542	0	12542	1764	14306	50.00
6	3217	1088	121	4426	86	3931	0	0	6039	5972	-1029	13386	0	13386	1865	15251	49.93
7	3150	1599	122	4871	73	3945	0	19	6967	6996	-1193	14711	0	14711	2029	16740	49.94
8	3104	1387	132	4623	50	3926	0	126	7434	7292	-1301	14716	0	14716	2221	16937	50.01
9	3082	1366	121	4569	102	3853	0	226	7375	7323	-1532	14541	0	14541	2550	17091	49.94
10	3088	1296	122	4506	182	3861	0	402	7607	7658	-1875	14734	0	14734	2852	17586	49.97
11	3054	1008	132	4194	168	3877	0	507	7702	7688	-2118	14316	0	14316	3074	17390	50.03
12	3087	544	121	3752	184	4004	0	591	7917	7385	-2063	13853	0	13853	3118	16971	49.99
13	3116	232	122	3470	275	3742	0	588	7572	7223	-1820	13478	0	13478	3049	16527	50.01
14	3024	232	132	3388	318	3572	0	545	7156	7142	-1717	13248	0	13248	2919	16167	50.04
15	3036	288	121	3445	593	3692	0	416	7179	7200	-1810	13536	0	13536	2939	16475	49.97
16	3006	252	111	3369	512	3792	0	360	6833	6852	-1806	13079	0	13079	2957	16036	49.98
17	3121	133	0	3254	666	4071	0	205	6992	6930	-1647	13479	0	13479	2939	16418	49.96
18	3162	166	0	3328	913	4226	0	68	7043	6990	-1584	13941	0	13941	2893	16834	49.97
19	3219	958	37	4214	953	4444	0	1	6394	6563	-1517	14658	0	14658	2859	17517	49.80
20	3294	1509	91	4894	885	4532	0	0	5969	5940	-1437	14814	0	14814	2813	17627	50.03
21	3309	874	122	4305	685	4547	0	0	5991	5922	-1312	14147	0	14147	2685	16832	50.03
22	3248	372	131	3751	646	4516	0	0	5913	5899	-1165	13647	0	13647	2524	16171	50.01
23	3138	163	122	3423	685	4300	0	0	6028	5746	-1089	13065	0	13065	2386	15451	49.98
24	3121	133	122	3376	700	4262	0	0	6043	5559	-1152	12745	0	12745	2265	15010	49.98
MUs	75.26	18.25	2.61	96.12	9.16	96.58	0.00	4.05	155.97	154.09	-34.17	325.83	0.00	325.83	60.23	386.07	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 19/Sep/2019

Position as on 6.30 Hrs of 20/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 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	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.(converted to zero schedule from 12.09.2019 at 20.00 hrs)	
MSPGCL	Chandrapur Unit 3	210	31/08/2019	16.21	20/09/2019	01.04	W/D Due To Wet Coal.	
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.	
MSPGCL	Koradi Unit 6	210	06/09/2019	15.41		Continued.	Zero Schedule	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 19/Sep/2019

Position as on 6.30 Hrs of 20/Sep/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Nasik Unit 4	210	12/09/2019	00.01	19/09/2019	17.11	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.(converted to zero schedule from 16/09/2019 at 19:00 hrs.)	
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 4	210	18/09/2019	23.39	19/09/2019	12.20	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.	
MSPGCL	Paras Unit 3	250	19/09/2019	13.21		Continued.	CHP Bunker problem	
MSPGCL	Uran Unit B0	120	19/09/2019	15.50	19/09/2019	19.41	220kv Breker Tripped	
MSPGCL	Uran Unit 8	108	19/09/2019	15.52	19/09/2019	18.11	220KV Breker Tripped	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Sep/2019

Statement-VII

Position as on 6.30 Hrs of 20/Sep/2019

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 Khandwa II	InterState	10/09/2019	20.20		Continued.	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	19/09/2019	14.35	19/09/2019	15.26	T	Tripped on Dhule end
Boisar (PG)- Aurangabad (PG)-I	InterState	19/09/2019	15.59		Continued.	T	Tripped on Boisar end
Khadka-Aurangabad (Waluj)	IntraState	17/09/2019	17.34		Continued.	HT	Over Voltage
Chandrapur II - Chandrapur SW Ckt I	IntraState	19/09/2019	09.28	19/09/2019	19.35	PO	Dignostic Testing Work
Kalwa - Talegaon(PG)	IntraState	19/09/2019	12.05	19/09/2019	17.08	EO	Attend sparking on isolator at Talegaon PG End
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 Kv 315 Mva Ict -2 @New Koyna	IntraState	19/09/2019	08.40	19/09/2019	14.45	PO	Attending Hot Spot
400/220/33kv 315MVA ICT-I @Lonikand	IntraState	19/09/2019	15.12	19/09/2019	16.33	PO	CTR TCIB Valve close indication Problem Attending
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)
Karad -Mudshingi Ckt- IV	IntraState	12/09/2019	12.24		Continued.	PO	Air leakage Attending work
Urse - Talegaon (Ambi) Ckt 2	IntraState	18/09/2019	20.43	19/09/2019	01.47	T	B-Phase LA Blast at Talegaon.
Jejuri-Phursungi ckt-2	IntraState	19/09/2019	09.35	19/09/2019	17.37	PO	Half yearly maintenance work
Tembhurni - Jeur	IntraState	19/09/2019	11.05	19/09/2019	12.20	PO	Annual Maintenance Work
Kalwa - Mulund 1	IntraState	19/09/2019	11.38	19/09/2019	17.42	HT	H/T For Load Manegment on 400kv Talegaon pg - kalwa line
Uran - Apta II	IntraState	19/09/2019	12.37	19/09/2019	15.42	PO	Attending Hot Spot
Abhijeet-Wardha-Ii	IntraState	19/09/2019	14.51	19/09/2019	15.55	T	Distance Protection
Uran - Apta IV	IntraState	19/09/2019	15.45	19/09/2019	17.53	PO	Wave Trap at Apta end
Chinchwad-Hinjewadi I	IntraState	19/09/2019	17.42	19/09/2019	22.26	PO	Shifting load to kandalgaon for fascilating outage of urse-talegaon
Urse - Talegaon (Ambi) Ckt 2	IntraState	19/09/2019	19.01	19/09/2019	22.18	PO	Replacement work
ALEPHATA UTECH SUGAR	IntraState	19/09/2019	19.24		Continued.	T	Distance Protection
220 KV ICT Outages/Trippings							
220/100 kv 200 MVA ICT II @Padghe	IntraState	18/09/2019	16.30		Continued.	HT	Due To Leakage In HV Bushing.
220/33 Kv 50mva Bhel Ptr No 1 @Alephata	IntraState	19/09/2019	09.42	19/09/2019	18.05	PO	33kv incomer jumper replacement
220/33-22 Kv 50 Mva Gec Ptr 1 @Nerul	IntraState	19/09/2019	12.53	19/09/2019	16.50	PO	Relay Testing Work
220/132 Kv 200mva Vijay Ict 2 @Jalna	IntraState	19/09/2019	18.01	20/09/2019	00.35	PO	Differential protection

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