

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 30/Sep/2019 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	94.600	2397.587	1) Gujrat	14.957	411.702
2) Hydro	5.116	452.054	2) Madhya Pradesh	8.520	136.238
3) Gas	9.569	112.028	3) Chattisgarh	4.390	95.920
Total MSPGCL	109.285	2961.669	4) Maharashtra	132.101	3612.250
B) 1) APLM	34.607	1420.493	5) Goa (Amona)	-0.088	-17.710
2) JSWEL	22.057	618.928	Total	159.880	4238.400
3) VIPL	0.000	0.000	a) Mumbai Schedule	28.487	755.138
4) RPL(AMT)	23.245	622.074	b) Mumbai Drawl	31.856	938.998
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	20.800	515.740
6) Other IPP	3.252	84.833	Include PX	5.255	120.155
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	28.487	752.663
C) 1) TPCL Thermal	13.070	383.018	Include PX	16.875	357.228
2) TPCL Hydro	3.410	123.583	Standby	0.000	2.475
3) TPCL Gas	4.363	37.008	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.775	263.477	1) MSEDCL	338.418	9984.497
D) STATE			2) Mumbai Discoms	62.474	1746.070
1) Thermal	200.606	5790.410	TOTAL STATE	400.892	11730.567
(A1+C1+C4+(B1-B6))					
2) Hydro	8.526	575.637			
(A2+C2)					
3) Gas	13.932	149.036			
(A3+B7+C3)					
4) Wind	11.666	843.236			
6) SOLAR	6.282	133.862			
TOTAL STATE	241.012	7492.181			

* 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	4056	3985	4069	3832
MSPGCL Hydro	422	220	437	109
MSPGCL Gas	397	397	398	413
MSPGCL Total Generation	4875	4602	4904	4354
Central Sector Receipt	7649	7282	6448	5198
WIND	211	276	1101	130
CPP / IPP Thermal	3214	3288	4150	3462
CPP / IPP Gas	0	0	0	0
SOLAR	876	830	0	0
Exchange with Mumbai	-1972	-1936	-1209	-757
MSEDCL DEMAND MET	14853	14342	15394	12388
Load Shedding	0	0	0	0
MSEDCL DEMAND	14853	14342	15394	12388
TPCL GENERATION	871	844	1258	690
AEML GENERATION	374	375	497	374
MUMBAI DEMAND	3217	3155	2964	1821
STATE DEMAND MET	18070	17497	18358	14208
STATE DEMAND	18070	17497	18358	14208
Frequency (Hz)	50.02	50.03	49.99	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 13.01 Hrs	49.63 Hz at 18.40 Hrs	49.97	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 30/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	7.95	179.53	400	290
Unit 10	8.57	154.45	444	236
Total	16.52	344.17		
Bhusawal				
Unit 3	0.00	2.92	0	0
Unit 4	10.20	280.22	460	390
Unit 5	0.00	0.00	0	0
Total	10.20	283.14		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	85.81	0	0
Unit 7	5.18	144.98	249	162
Unit 8	3.85	4.05	205	83
Total	9.03	234.85		
Chandrapur				
Unit 3	1.15	16.36	121	51
Unit 4	2.85	84.94	160	99
Unit 5	6.95	165.01	317	261
Unit 6	7.68	200.89	370	245
Unit 7	0.00	0.00	0	0
Unit 8	9.19	195.46	457	340
Unit 9	7.63	213.36	380	271
Total	35.45	876.03		
Paras				
Unit 3	4.93	83.96	250	186
Unit 4	0.00	0.00	0	0
Total	4.93	83.96		
Khaparkheda				
Unit 1	0.00	34.17	0	0
Unit 2	3.52	8.20	165	95
Unit 3	3.92	86.91	180	139
Unit 4	3.66	92.11	157	145
Unit 5	0.00	166.44	0	0
Total	11.10	387.82		
Nasik				
Unit 3	0.00	58.13	0	0
Unit 4	3.76	72.14	164	133
Unit 5	3.61	57.36	165	135
Total	7.37	187.62		
Uran				
All Units	9.57	112.03	413	365
Total	9.57	112.03		
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)	1.27	27.30	54	50

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	1.27	27.30		
Koyna				
Stage 1-2	2.70	94.90	355	40
Stage 4	0.21	190.26	170	0
Stage 3	0.69	81.41	160	0
Total	3.60	366.57		
Hydro				
KDPH	0.39	24.16	37	0
VTRNA	0.00	0.00	0	0
TILLARI	0.00	12.86	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.12	9.68	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.13	10.12	15	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.42	22.62	19	17
GHATGHAR	0.46	6.05	125	0
Total	1.51	85.49		
Wind				
Total	11.67	843.24	0	0
Total	11.67	843.24		
CPP				
APML(Mus)	34.61	1420.49	0	0
JSWEL(Mus)	22.06	618.93	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	23.24	622.07	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	3.25	84.83	0	0
Total	83.16	2746.33		
SOLAR				
Total	6.28	133.86	0	0
Total	6.28	133.86		
Tata				
Trombay 5	8.21	241.43	451	307
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.77	23.40	116	110
Trombay 7B	1.59	13.61	67	65
Trombay 8	4.86	141.58	218	194
TATA Hydro	3.41	123.58	450	0
Total	20.84	543.61		
AEML				
DTPS U-1&2	9.78	263.48	500	373
Total	9.78	263.48		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	94.60	2397.59	MSPGCL Total	109.28	2961.67
			MSPGCL Thml+Gas	104.17	2509.62	Koyna 1,2 & 4 Total	2.91	285.15
			MSPGCL Hydro	5.12	452.05	State Total	241.01	7492.18

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 30/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	3791	115	403	4309	281	3475	0	0	5643	5644	-1137	12572	0	12572	2202	14774	50.04
2	3789	115	404	4308	184	3478	0	0	5291	5373	-952	12392	0	12392	2019	14410	50.06
3	3836	109	405	4350	142	3476	0	0	5176	5242	-831	12380	0	12380	1898	14278	50.07
4	3832	109	413	4354	130	3462	0	0	5134	5198	-757	12388	0	12388	1821	14208	50.06
5	3868	114	405	4387	134	3570	0	0	5374	5582	-737	12936	0	12936	1799	14735	50.05
6	3920	219	404	4543	141	3468	0	0	6509	6565	-822	13895	0	13895	1889	15784	49.91
7	3951	521	403	4875	124	3446	0	19	7433	7351	-806	15009	0	15009	2077	17086	49.92
8	4090	328	405	4823	92	3455	0	199	7610	7632	-937	15264	0	15264	2285	17549	50.01
9	4184	226	402	4812	107	3357	0	488	7633	7712	-1344	15132	0	15132	2595	17727	50.00
10	4079	325	399	4803	129	3337	0	714	7456	7633	-1768	14848	0	14848	2921	17769	50.02
11	4049	195	398	4642	169	3210	0	784	7759	7860	-1906	14759	0	14759	3128	17887	50.03
12	4056	422	397	4875	211	3214	0	876	7420	7649	-1972	14853	0	14853	3217	18070	50.02
13	3985	220	397	4602	276	3288	0	830	7545	7282	-1936	14342	0	14342	3155	17497	50.03
14	3790	69	378	4237	356	3008	0	854	7400	7319	-1807	13967	0	13967	3026	16993	50.03
15	3671	342	365	4378	532	3095	0	696	7323	7519	-1811	14409	0	14409	3057	17466	49.96
16	3837	67	393	4297	764	3352	0	515	7224	7214	-1853	14289	0	14289	3068	17357	50.02
17	3844	62	405	4311	938	3357	0	248	7223	7162	-1786	14230	0	14230	3034	17264	49.10
18	3905	63	398	4366	1190	3692	0	59	7222	6759	-1669	14397	0	14397	2971	17368	50.00
19	3941	207	387	4535	1267	4033	0	0	6850	6584	-1436	14983	0	14983	2964	17947	49.85
20	4069	437	398	4904	1101	4150	0	0	6549	6448	-1209	15394	0	15394	2964	18358	49.99
21	4053	249	399	4701	964	3890	0	0	6222	6135	-1076	14614	0	14614	2792	17406	50.03
22	4060	397	400	4857	920	3598	0	0	5903	5921	-987	14309	0	14309	2629	16938	50.02
23	4021	128	410	4559	813	3415	0	0	6089	6183	-1076	13893	0	13893	2532	16425	50.04
24	3979	77	401	4457	701	3333	0	0	5920	5913	-1241	13163	0	13163	2431	15594	50.05
MUs	94.60	5.12	9.57	109.29	11.67	83.16	0.00	6.28	159.91	159.88	-31.86	338.42	0.00	338.42	62.47	400.89	49.97

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 30/Sep/2019

Position as on 6.30 Hrs of 01/Oct/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	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)	
MSPGCL	Chandrapur Unit 7	500	27/07/2019	00.00		Continued.	Annual Overhaul	
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	30/09/2019	23.47	No Schedule.	
MSPGCL	Koyna 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)	
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 from 18:00hrs of 28/09/2019	
MSPGCL	Koradi Unit 6	210	06/09/2019	15.41		Continued.	Zero Schedule	
MSPGCL	Khaparkheda Unit 1	210	13/09/2019	14.05		Continued.	Poor Coal	
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	Nasik Unit 3	210	24/09/2019	13.45		Continued.	poor coal Receipt.	
MSPGCL	Khaparkheda Unit 5	500	25/09/2019	09.34		Continued.	Poor Coal Receipt	
IPP	Adani U-2	660	30/09/2019	05.37		Continued.	Coal Shortage	
MSPGCL	Chandrapur Unit 3	210	30/09/2019	11.00		Continued.	wet coal.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 30/Sep/2019

Position as on 6.30 Hrs of 01/Oct/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Paras Unit 3	250	01/10/2019	02.34	01/10/2019	07.05	Furnace Pressure High	
IPP	Dhariwal	300	01/10/2019	03.52	01/10/2019	06.53	Turbine Vibration	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Sep/2019

Statement-VII

Position as on 6.30 Hrs of 01/Oct/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	24/09/2019	17.43		Continued.	PO	Tower Height Rise work
Chandrapur - Padghe Hvdc Pole 1	IntraState	24/09/2019	17.56		Continued.	PO	Tower Height Rise 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 Khandwa I	InterState	26/09/2019	22.49		Continued.	HT	Over Voltage
Chandrapur-II - Nanded ckt II	IntraState	16/09/2019	08:57		Continued.	PO	Replacement of Broken Spacer cum Damper.(RFC at 18:50 hrs)
Khadka-Aurangabad (Waluj)	IntraState	24/09/2019	18.12		Continued.	HT	Over Voltage
Chandrapur - Khaperkheda	IntraState	26/09/2019	01.05		Continued.	T	O/V (Trial Taken At 08.10 But Trip Again O/V.)
Karad-Jaigad - I	IntraState	28/09/2019	22.16	30/09/2019	11.15	HT	Over Voltage
Khadka - Bableshwar	IntraState	30/09/2019	11.09	30/09/2019	13.35	EO	Attending Hot Spot
N.Koyna-Karad - Ckt I	IntraState	30/09/2019	11.39		Continued.	PO	Conductoor replacement Work & RMW.(RFC 20.58)
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.
400/220kv 315 MVA ICT I @ KOLHAPUR-III (TALANDGE)	IntraState	30/09/2019	09.00	30/09/2019	19.24	PO	Annual Testing & Maintenance Work.
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/06/2017	00.01		Continued.	PO	No Schedule
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	T	Distance Protection
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Bus Coupler @ Butibori	IntraState	14/05/2019	14.05	30/09/2019	15.13	PO	Diagnostic Testing Work.
Goregaon Versova Line 2	IntraState	30/09/2019	07.27	30/09/2019	20.11	PO	DMRC Work.
Loteparshuram- Dasturi Line	IntraState	30/09/2019	10.10	30/09/2019	17.20	PO	Y & B PH Jumper REplacement Work Of Line Isolator.
Dondaicha(220)-Amalner(220)	IntraState	30/09/2019	11.00	30/09/2019	14.06	PO	For Replacement Of Jump From Wave Trap To Line Side,& Other Tightening Work At 220Kv Amalner s/Stn.
Nanded-Parbhani	IntraState	30/09/2019	11.03	30/09/2019	18.32	EO	For Removing Jumper Form Line isolator To CT For Safety Precaution SO that Repairs of isolator Moving Assembly IS To BE Done.
Karad -Mudshingi Ckt- IV	IntraState	30/09/2019	11.05	30/09/2019	15.10	PO	Routine Maintenance Work
Padgha-Temghar-II	IntraState	30/09/2019	11.42	30/09/2019	11.47	T	Distance Protection
Temghar - Kalwa	IntraState	30/09/2019	11.42	30/09/2019	14.58	T	Distance Protection
Kalwa 52B Interconnector CB	IntraState	30/09/2019	15.17		Continued.	PO	Interconnector Off.
220 KV ICT Outages/Trippings							
220/22 Kv 50 Mva Bb Ptr 5 @Temghar	IntraState	30/09/2019	11.42	30/09/2019	12.05	T	Load Affected 70MW.Due To Bus Section 2 Trip.
220/22 Kv 50 Mva Bb Ptr 4 @Temghar	IntraState	30/09/2019	11.42	30/09/2019	12.05	T	Load Affected 70MW.Due To Bus Section 2 Trip.
220/132kv 100MVA ICT-1@ Amalner	IntraState	30/09/2019	14.55	30/09/2019	16.55	PO	outage Required For R-Ph bushing Nut Bolt Tightening Work.
220/132 kv 100MVA ICT @ Bhandara	IntraState	30/09/2019	16.35	30/09/2019	17.45	T	Tripped On NDR.

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