

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 14/Oct/2019 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	123.681	1685.037	1) Gujrat	11.958	215.701
2) Hydro	5.555	81.620	2) Madhya Pradesh	12.285	125.505
3) Gas	10.063	125.812	3) Chattisgarh	3.350	41.350
Total MSPGCL	139.299	1892.469	4) Maharashtra	123.873	1820.290
B) 1) APML	54.067	439.630	5) Goa (Amona)	-0.286	-7.018
2) JSWEL	22.151	259.239	Total	151.180	2195.828
3) VIPL	0.000	0.000	a) Mumbai Schedule	34.454	430.655
4) RPL(AMT)	20.607	290.493	b) Mumbai Drawl	41.046	487.907
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	20.461	342.673
6) Other IPP	8.439	118.536	Include PX	0.933	81.782
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	34.454	430.655
C) 1) TPCL Thermal	12.520	181.101	Include PX	13.685	199.467
2) TPCL Hydro	5.356	51.518	Standby	0.000	0.000
3) TPCL Gas	3.791	47.456	H) ENERGY CATERED (MUs)		
4) AEML Thermal	5.155	104.454	1) MSEDCL	373.288	4871.508
D) STATE			2) Mumbai Discoms	67.868	872.432
1) Thermal	246.620	3078.490	TOTAL STATE	441.156	5743.940
(A1+C1+C4+(B1-B6))					
2) Hydro	10.911	133.138			
(A2+C2)					
3) Gas	13.854	173.268			
(A3+B7+C3)					
4) Wind	11.488	78.435			
6) SOLAR	7.103	84.785			
TOTAL STATE	289.976	3548.116			

* 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 16 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4903	5302	5477	4815
MSPGCL Hydro	174	469	1010	77
MSPGCL Gas	412	385	389	461
MSPGCL Total Generation	5489	6156	6876	5353
Central Sector Receipt	7263	6937	6435	4957
WIND	554	518	348	417
CPP / IPP Thermal	4341	4571	4775	4073
CPP / IPP Gas	0	0	0	0
SOLAR	990	593	0	0
Exchange with Mumbai	-2229	-2145	-1741	-1218
MSEDCL DEMAND MET	16408	16630	16693	13582
Load Shedding	0	0	0	0
MSEDCL DEMAND	16408	16630	16693	13582
TPCL GENERATION	958	1015	1236	634
AEML GENERATION	191	251	252	192
MUMBAI DEMAND	3378	3411	3229	2044
STATE DEMAND MET	19786	20041	19922	15626
STATE DEMAND	19786	20041	19922	15626
Frequency (Hz)	50.03	50.00	49.98	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 13.02 Hrs	49.77 Hz at 21.20 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 14/Oct/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	34.05	0	0
Unit 9	12.86	145.39	600	460
Unit 10	10.94	143.34	530	264
Total	23.80	322.78		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	10.17	128.40	500	355
Unit 5	10.02	59.38	500	350
Total	20.18	187.78		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.71	26.06	210	187
Unit 7	4.76	67.87	230	186
Unit 8	4.37	66.94	231	173
Total	13.85	160.86		
Chandrapur				
Unit 3	4.15	37.69	185	162
Unit 4	3.84	49.42	170	135
Unit 5	8.90	111.89	400	352
Unit 6	9.02	117.60	440	330
Unit 7	0.00	0.00	0	0
Unit 8	8.98	123.00	425	355
Unit 9	9.09	120.09	430	343
Total	43.99	559.70		
Paras				
Unit 3	4.98	50.76	250	186
Unit 4	0.00	0.00	0	0
Total	4.98	50.76		
Khaparkheda				
Unit 1	0.00	30.23	0	0
Unit 2	0.00	35.13	0	0
Unit 3	0.00	44.89	0	0
Unit 4	3.86	53.98	190	115
Unit 5	9.23	132.08	420	358
Total	13.09	296.31		
Nasik				
Unit 3	0.00	24.52	0	0
Unit 4	0.00	31.55	0	0
Unit 5	3.80	50.77	180	143
Total	3.80	106.84		
Uran				
All Units	10.06	125.81	486	383
Total	10.06	125.81		
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)	0.22	11.96	34	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.22	11.96		
Koyna				
Stage 1-2	2.85	37.09	490	40
Stage 4	1.10	15.49	530	0
Stage 3	0.70	12.48	160	0
Total	4.65	65.06		
Hydro				
KDPH	0.20	3.94	37	0
VTRNA	0.00	0.00	0	0
TILLARI	0.00	2.67	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.30	3.74	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.19	0.97	15	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	3.37	0	0
GHATGHAR	0.21	1.88	125	0
Total	0.90	16.56		
Wind				
Total	11.49	78.44	0	0
Total	11.49	78.44		
CPP				
APML(Mus)	54.07	439.63	0	0
JSWEL(Mus)	22.15	259.24	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	20.61	290.49	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	8.44	118.54	0	0
Total	105.26	1107.90		
SOLAR				
Total	7.10	84.78	0	0
Total	7.10	84.78		
Tata				
Trombay 5	7.75	113.97	406	311
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.34	29.05	116	69
Trombay 7B	1.45	18.40	67	51
Trombay 8	4.77	67.13	203	197
TATA Hydro	5.36	51.52	459	0
Total	21.67	280.08		
AEML				
DTPS U-1&2	5.16	104.45	252	191
Total	5.16	104.45		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	123.68	1685.04	MSPGCL Total	139.30	1892.47
			MSPGCL Thml+Gas	133.74	1810.85	Koyna 1,2 & 4 Total	3.95	52.58
			MSPGCL Hydro	5.56	81.62	State Total	289.98	3548.12

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 14/Oct/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	4837	45	486	5368	338	4205	0	0	5649	5664	-1647	13928	0	13928	2470	16398	50.00
2	4821	118	434	5373	366	4112	0	0	5374	5437	-1451	13837	0	13837	2274	16111	50.02
3	4821	82	434	5337	358	4181	0	0	5263	5021	-1312	13585	0	13585	2136	15721	50.01
4	4815	77	461	5353	417	4073	0	0	5198	4957	-1218	13582	0	13582	2044	15626	50.01
5	5087	77	437	5601	387	4088	0	0	5207	5229	-1168	14137	0	14137	2002	16139	49.98
6	5499	82	444	6025	418	4384	0	0	5479	5573	-1231	15169	0	15169	2081	17250	49.97
7	5547	252	432	6231	445	4594	0	20	6162	6147	-1340	16097	0	16097	2201	18298	49.95
8	5462	171	433	6066	447	4588	0	216	6279	6599	-1420	16496	0	16496	2369	18865	50.02
9	5361	160	429	5950	519	4396	0	514	6535	6623	-1686	16316	0	16316	2696	19012	50.02
10	5069	165	452	5686	605	4337	0	759	6730	6865	-1959	16293	0	16293	3043	19336	50.00
11	4817	165	453	5435	651	4349	0	932	7104	6942	-2141	16168	0	16168	3280	19448	50.01
12	4903	174	412	5489	554	4341	0	990	7411	7263	-2229	16408	0	16408	3378	19786	50.03
13	4884	115	422	5421	534	4268	0	994	7437	7096	-2179	16134	0	16134	3343	19477	50.02
14	4834	84	400	5318	465	4060	0	923	7319	7443	-2112	16097	0	16097	3267	19364	49.98
15	5010	504	383	5897	471	4223	0	774	7072	7240	-2160	16445	0	16445	3365	19810	49.98
16	5302	469	385	6156	518	4571	0	593	6878	6937	-2145	16630	0	16630	3411	20041	50.00
17	5326	159	395	5880	415	4646	0	319	6937	6980	-2022	16218	0	16218	3378	19596	49.95
18	5351	324	397	6072	290	4707	0	69	6515	6517	-1874	15781	0	15781	3273	19054	50.01
19	5477	1010	389	6876	348	4775	0	0	6262	6435	-1741	16693	0	16693	3229	19922	49.98
20	5577	936	400	6913	395	4784	0	0	6214	5963	-1643	16412	0	16412	3137	19549	50.01
21	5430	126	391	5947	461	4523	0	0	6134	6214	-1582	15563	0	15563	2986	18549	50.02
22	5228	145	410	5783	586	4330	0	0	5965	6142	-1550	15291	0	15291	2872	18163	49.96
23	5291	55	391	5737	729	4363	0	0	5858	5969	-1604	15194	0	15194	2842	18036	50.00
24	4932	60	393	5385	771	4366	0	0	5851	5924	-1632	14814	0	14814	2791	17605	50.00
MUs	123.68	5.56	10.06	139.30	11.49	105.26	0.00	7.10	150.83	151.18	-41.05	373.29	0.00	373.29	67.87	441.16	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 14/Oct/2019

Position as on 6.30 Hrs of 15/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	Chandrapur Unit 7	500	27/07/2019	00.00		Continued.	Annual Overhaul	
MSPGCL	Ghatghar Unit-1	125	25/09/2019	04.20		Continued.	Withdrawn on shaft seal water leakage. Converted to AOH from 1 Nov 2019.	
FORCED OUTAGE								
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	
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	
MSPGCL	Koyana Unit 10	80	05/08/2019	20.05		Continued.	Stator Earth Fault	
MSPGCL	Paras Unit 4	250	25/08/2019	00.45		Continued.	Annual Overhaul Converted Zero Schedule From 28.10.2019 18.00	
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 By MSEDCL.	
IPP	Adani U-1	660	19/09/2019	01.43		Continued.	Due to Low Coal Stock.	
AEML	AEML Unit 2	250	07/10/2019	21.18		Continued.	Coal Shortage	
MSPGCL	Nasik Unit 3	210	09/10/2019	23.57		Continued.	Under Case 4 Bidding.	
MSPGCL	Nasik Unit 4	210	09/10/2019	23.59		Continued.	Zero schedule.	
MSPGCL	Koradi Unit-8	660	11/10/2019	22.36		Continued.	Boiler Tube Leakage	
MSPGCL	Khaparkheda Unit 1	210	12/10/2019	00.11		Continued.	Zero Schedule	
MSPGCL	Khaparkheda Unit 2	210	12/10/2019	00.17		Continued.	Zero Schedule	
RGPL	Dabhol 3B	230	13/10/2019	01.20		Continued.	Unit changeover.	
RGPL	Dabhol 3X	290	13/10/2019	01.20		Continued.	Unit changeover.	
MSPGCL	Khaparkheda Unit 3	210	13/10/2019	19.57		Continued.	Zero Schedule	
MSPGCL	Uran Unit 8	108	14/10/2019	00.25	14/10/2019	03.05	UAT Master Tripped	
MSPGCL	Uran Unit 8	108	14/10/2019	04.12	14/10/2019	09.08	B2 HP BYP Valve Problem	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 14/Oct/2019

Position as on 6.30 Hrs of 15/Oct/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit 5	108	14/10/2019	11.23	14/10/2019	12.01	Generator Impedence protection	
MSPGCL	Khaparkheda Unit 4	210	14/10/2019	23.51		Continued.	Zero Schedule	
MSPGCL	Uran Unit 8	108	15/10/2019	09.12	15/10/2019	17.19	Excitation transformer feeder fault.	
MSPGCL	Chandrapur Unit 6	500	15/10/2019	16.15		Continued.	Drum level low	
MSPGCL	Uran Unit 8	108	15/10/2019	17.39		Continued.	Changeover of unit auxillary transfoimer.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Oct/2019

Statement-VII

Position as on 6.30 Hrs of 15/Oct/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
Padgha Tarapur I	InterState	14/10/2019	09.31	15/10/2019	20.18	PO	Routine Maintenance Work
Chandrapur - Parli	IntraState	07/10/2019	13.57	14/10/2019	10.33	T	Distance Protection, Z-2, B-Ph, 1.3KA, 317KM.
Karad-Jaigad - I	IntraState	09/10/2019	21.08	15/10/2019	11.02	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	11/10/2019	17.15	14/10/2019	07.54	HT	Over Voltage
Koradi-Bhusawal	IntraState	14/10/2019	09.07	14/10/2019	18.45	PO	Erection work
Khadka-Aurangabad (Waluj)	IntraState	14/10/2019	21.55	15/10/2019	07.14	HT	Over Voltage
Koradi-Bhusawal	IntraState	15/10/2019	07.53	15/10/2019	18.49	PO	Tower Erection.
125 MVAR Bus Reactor @ Warora	IntraState	15/10/2019	09.06	15/10/2019	16.56	PO	Line Maintenance work
Nagothane - Dabhol I	IntraState	15/10/2019	13.41	15/10/2019	21.02	T	Distance Protection
Khadka-Aurangabad (Waluj)	IntraState	15/10/2019	22.27		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 315MVA ICT-III @ KHADKA	IntraState	12/10/2019	06.35	15/10/2019	17.37	PO	Replacement of Y Phase LV side bushing and oil filtration work.
400/220kv 315MVA ICT 2 @ KOLHAPUR-III (TALANDGE)	IntraState	14/10/2019	09.07	14/10/2019	18.58	PO	Routine Maintenance Work
220 KV LINE Outages/Trippings							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule.(close at Mudshingi end only)
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule.(close at Chikodi end only)
Mahalakshmi Amona	InterState	14/10/2019	13.55	14/10/2019	18.30	T	Distance Protection
PARLY (PG) - OSMANABAD	InterState	15/10/2019	08.04		Continued.	PO	Tower Shifting Work of NH Crossing
Mahalakshmi Amona	InterState	15/10/2019	13.02	15/10/2019	19.36	T	Distance Protection
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Lonand-Baramati	IntraState	17/09/2019	11.13		Continued.	HT	To Control Overloading of Lonand-Jejuri Line.
Talandge(400kv)- Ichalkaranji ckt-1	IntraState	14/10/2019	08.30	14/10/2019	13.32	PO	Routine Maintenance Work
Dahanu Versova	IntraState	14/10/2019	08.44	14/10/2019	14.10	EO	To attend Hot Spot
OSMANABAD BARSHI	IntraState	14/10/2019	09.03	14/10/2019	19.00	PO	For Making Tap Management National Highway work
Butibori - Wardha	IntraState	14/10/2019	09.14	14/10/2019	15.02	PO	Conversion of SSN to DSN
Niwali - Pawas Line	IntraState	14/10/2019	10.05	14/10/2019	17.53	PO	Replacement of Insulator String
Talandage(400kv) - Five Star Midc	IntraState	14/10/2019	10.12	14/10/2019	16.18	PO	Routine Maintenance Work
Kharepatan -Pawas Line	IntraState	14/10/2019	10.15	14/10/2019	17.57	PO	Main Bus outage at Pawas
Taptitanda-Jalna ckt II	IntraState	14/10/2019	11.29	14/10/2019	17.23	PO	Routine Maintenance Work
Pedambe-Nerle	IntraState	14/10/2019	11.50	14/10/2019	16.45	PO	Routine Maintenance Work
Abhijeet-Wardha-I	IntraState	14/10/2019	12.05	14/10/2019	12.29	T	Distance Protection
Abhijeet-Wardha-II	IntraState	14/10/2019	12.29	14/10/2019	12.56	T	Distance Protection
Osmanabad - Solapur (Bale)	IntraState	14/10/2019	13.12	14/10/2019	18:52	PO	For Making Tap Management National Highway work
Uran - Apta III	IntraState	14/10/2019	13.30	14/10/2019	14.53	T	Distance Protection
Talandge(400kv)- Ichalkaranji ckt-2	IntraState	14/10/2019	13.37	14/10/2019	17.22	PO	Routine Maintenance Work
Kandalgaon - Bhira	IntraState	14/10/2019	13.58	14/10/2019	17.40	PO	Replacement of Insulator String

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 14/Oct/2019

Statement-VII

Position as on 6.30 Hrs of 15/Oct/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Pandharpur - Malinagar	IntraState	15/10/2019	09.10	15/10/2019	18.05	PO	BKR. Overhauling And Insulator Replacement Work.
Dhamangaon New- Tss-II	IntraState	15/10/2019	09.48	15/10/2019	16.55	PO	Maintenance work.
Gcr Chandrapur - Grace Ltd	IntraState	15/10/2019	09.57	15/10/2019	14.32	PO	Isolator jumper replacement.
Kharepatan -Pawas Line	IntraState	15/10/2019	10.21	15/10/2019	10.47	T	Distance Protection
Uran - Apta IV	IntraState	15/10/2019	11.03	15/10/2019	16.17	PO	Replacement of Disc Insulator.
Butibori - Khaperkheda	IntraState	15/10/2019	11.05	15/10/2019	18.21	PO	Testing Work
Kharghar-Sonkhar	IntraState	15/10/2019	11.06	15/10/2019	11.54	T	Line Tripped At Kharghar End On Back Up Protection.
Pophali - Pedambe II	IntraState	15/10/2019	13.40	15/10/2019	13.55	PO	Gas Leakage Top Up.
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT-IV@Kalwa	IntraState	14/10/2019	11.02	14/10/2019	16.14	PO	Air pressure Work
220/132 kv 100MVA ICT @ Bhandara	IntraState	15/10/2019	09.17	15/10/2019	20.24	PO	OLTC maintenance work.
220/100 Kv 100 MVA ICT II @Kandalgaon	IntraState	15/10/2019	09.30	15/10/2019	18.23	PO	Low Oil Level Attending Work.
220/132kv 200mva Emco ICT-1 @Kurkumbh	IntraState	15/10/2019	10.00		Continued.	PO	Oil Leakage Work.
220/132 kv 200MVA ICT II @ Girwali	IntraState	15/10/2019	11.02	15/10/2019	18.43	PO	Testing Work

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