

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Oct/2019 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	94.951	2407.384	1) Gujrat	-0.053	262.010
2) Hydro	15.429	140.381	2) Madhya Pradesh	4.862	195.634
3) Gas	10.406	200.726	3) Chattisgarh	4.880	74.960
Total MSPGCL	120.786	2748.491	4) Maharashtra	99.026	2706.021
B) 1) APLM	45.745	827.098	5) Goa (Amona)	-0.594	-10.186
2) JSWEL	20.628	412.309	Total	108.121	3228.439
3) VIPL	0.000	0.000	a) Mumbai Schedule	26.293	658.345
4) RPL(AMT)	18.353	441.170	b) Mumbai Drawl	29.758	735.635
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	17.586	482.697
6) Other IPP	8.230	179.267	Include PX	-2.681	87.747
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	26.293	658.345
C) 1) TPCL Thermal	11.978	273.313	Include PX	3.216	251.628
2) TPCL Hydro	2.316	78.758	Standby	0.000	0.000
3) TPCL Gas	4.265	77.582	H) ENERGY CATERED (MUs)		
4) AEML Thermal	4.569	140.154	1) MSEDCL	306.271	7387.358
D) STATE			2) Mumbai Discoms	52.886	1305.439
1) Thermal	204.454	4680.695	TOTAL STATE	359.157	8692.797
(A1+C1+C4+(B1-B6))					
2) Hydro	17.745	219.139			
(A2+C2)					
3) Gas	14.671	278.308			
(A3+B7+C3)					
4) Wind	10.905	168.720			
6) SOLAR	3.261	117.499			
TOTAL STATE	251.036	5464.361			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 9 Hrs	B. Day Peak at 18 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	3958	3939	4004	3970
MSPGCL Hydro	725	1060	1585	495
MSPGCL Gas	441	424	425	441
MSPGCL Total Generation	5124	5423	6014	4906
Central Sector Receipt	4941	4784	5671	3336
WIND	836	185	190	503
CPP / IPP Thermal	4103	3909	4101	3734
CPP / IPP Gas	0	0	0	0
SOLAR	118	31	0	0
Exchange with Mumbai	-1171	-1422	-1535	-863
MSEDCL DEMAND MET	13951	12910	14441	11616
Load Shedding	0	0	0	0
MSEDCL DEMAND	13951	12910	14441	11616
TPCL GENERATION	684	859	891	652
AEML GENERATION	190	190	190	190
MUMBAI DEMAND	2045	2471	2616	1705
STATE DEMAND MET	15996	15381	17057	13321
STATE DEMAND	15996	15381	17057	13321
Frequency (Hz)	50.03	49.96	50.02	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 13.04 Hrs	49.81 Hz at 14.56 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 21/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	8.70	51.37	380	350
Unit 9	0.35	214.01	296	0
Unit 10	10.68	210.62	462	420
Total	19.73	476.00		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	174.16	0	0
Unit 5	8.65	95.70	405	340
Total	8.65	269.86		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	40.35	0	0
Unit 7	4.77	101.86	209	187
Unit 8	0.00	71.04	0	0
Total	4.77	213.26		
Chandrapur				
Unit 3	3.35	66.30	162	110
Unit 4	3.36	75.44	162	100
Unit 5	8.14	171.75	362	325
Unit 6	8.60	176.36	363	346
Unit 7	0.00	0.00	0	0
Unit 8	8.73	187.73	400	360
Unit 9	8.63	182.53	364	348
Total	40.81	860.10		
Paras				
Unit 3	4.58	83.71	202	187
Unit 4	0.00	0.00	0	0
Total	4.58	83.71		
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	3.70	59.39	160	125
Unit 5	8.84	201.87	400	350
Total	12.54	371.50		
Nasik				
Unit 3	0.00	24.52	0	0
Unit 4	0.00	31.55	0	0
Unit 5	3.87	76.88	169	156
Total	3.87	132.95		
Uran				
All Units	10.41	200.73	458	410
Total	10.41	200.73		
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)	0.57	13.97	47	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.57	13.97		
Koyna				
Stage 1-2	4.48	60.42	475	40
Stage 4	6.26	34.84	823	0
Stage 3	2.89	22.77	240	0
Total	13.63	118.04		
Hydro				
KDPH	0.89	5.35	37	37
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.	0.24	5.93	74	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.00	0.97	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.67	4.52	28	27
GHATGHAR	0.00	2.90	0	0
Total	1.80	22.34		
Wind				
Total	10.90	168.72	0	0
Total	10.90	168.72		
CPP				
APML(Mus)	45.74	827.10	0	0
JSWEL(Mus)	20.63	412.31	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	18.35	441.17	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	8.23	179.27	0	0
Total	92.96	1859.84		
SOLAR				
Total	3.26	117.50	0	0
Total	3.26	117.50		
Tata				
Trombay 5	7.28	172.85	313	281
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.70	48.17	116	91
Trombay 7B	1.56	29.41	67	58
Trombay 8	4.70	100.47	200	188
TATA Hydro	2.32	78.76	248	0
Total	18.56	429.65		
AEML				
DTPS U-1&2	4.57	140.15	191	190
Total	4.57	140.15		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	94.95	2407.38	MSPGCL Total	120.79	2748.49
			MSPGCL Thml+Gas	105.36	2608.11	Koyna 1,2 & 4 Total	10.74	95.26
			MSPGCL Hydro	15.43	140.38	State Total	251.04	5464.36

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/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	4269	278	441	4988	652	3811	0	0	3652	3692	-992	12151	0	12151	1916	14067	50.01
2	4031	638	450	5119	578	3785	0	0	3485	3354	-908	11928	0	11928	1791	13719	49.95
3	3970	495	441	4906	503	3734	0	0	3458	3336	-863	11616	0	11616	1705	13321	49.99
4	3974	600	450	5024	436	3730	0	0	3471	3352	-825	11717	0	11717	1646	13363	50.02
5	3970	727	441	5138	411	3740	0	0	3467	3634	-826	12097	0	12097	1639	13736	49.90
6	3952	1031	441	5424	513	3898	0	0	4307	4193	-909	13119	0	13119	1718	14837	49.99
7	3928	448	448	4824	672	4099	0	4	5425	4983	-951	13631	0	13631	1779	15410	49.93
8	3912	699	440	5051	807	4086	0	38	5068	5233	-1034	14181	0	14181	1877	16058	49.96
9	3958	725	441	5124	836	4103	0	118	5065	4941	-1171	13951	0	13951	2045	15996	50.03
10	3932	598	446	4976	861	3902	0	266	5096	4972	-1305	13672	0	13672	2243	15915	50.02
11	3927	685	430	5042	703	3800	0	376	4909	4938	-1417	13442	0	13442	2402	15844	50.03
12	3919	330	425	4674	602	3784	0	479	4985	4736	-1538	12737	0	12737	2499	15236	50.04
13	3924	150	424	4498	569	3793	0	573	4682	4524	-1487	12470	0	12470	2504	14974	50.02
14	3920	115	411	4446	403	3758	0	511	4403	4246	-1432	11932	0	11932	2435	14367	50.04
15	3961	115	418	4494	265	3798	0	400	4403	4542	-1397	12102	0	12102	2463	14565	49.95
16	3950	355	421	4726	191	3801	0	305	4435	4518	-1391	12150	0	12150	2480	14630	49.96
17	3955	784	410	5149	206	3798	0	160	4285	4478	-1405	12386	0	12386	2464	14850	50.01
18	3939	1060	424	5423	185	3909	0	31	4832	4784	-1422	12910	0	12910	2471	15381	49.96
19	4004	1585	425	6014	190	4101	0	0	5164	5671	-1535	14441	0	14441	2616	17057	50.02
20	4031	939	428	5398	250	4415	0	0	5676	5470	-1492	14041	0	14041	2604	16645	50.03
21	3899	839	427	5165	305	4156	0	0	5274	5139	-1411	13354	0	13354	2542	15896	49.99
22	3892	704	429	5025	262	3961	0	0	4753	4573	-1404	12417	0	12417	2489	14906	50.02
23	3857	789	458	5104	250	3618	0	0	4492	4504	-1377	12099	0	12099	2382	14481	50.03
24	3877	740	437	5054	255	3376	0	0	4543	4308	-1266	11727	0	11727	2176	13903	50.00
MUs	94.95	15.43	10.41	120.79	10.90	92.96	0.00	3.26	109.33	108.12	-29.76	306.27	0.00	306.27	52.89	359.16	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 21/Oct/2019

Position as on 6.30 Hrs of 22/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	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	
MSPGCL	Khaparkheda Unit 3	210	13/10/2019	19.57		Continued.	Zero Schedule	
MSPGCL	Parli Unit 8	250	16/10/2019	01.36		Continued.	Flame Failure (Converted To Zero Schedule DT.23.10.2019 18.00.hrs)	
MSPGCL	Parli Unit 6	250	17/10/2019	23.25	22/10/2019	17.05	Poor Coal Receipt.	
MSPGCL	Uran Unit 8	108	18/10/2019	04.18		Continued.	Generator Vibration High.	
MSPGCL	Bhusawal Unit 4	500	19/10/2019	22.35	22/10/2019	05.23	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Oct/2019

Position as on 6.30 Hrs of 22/Oct/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koradi Unit 9	660	21/10/2019	01.18		Continued.	Boiler Tube Leakage	
IPP	Adani U-2	660	21/10/2019	22.58		Continued.	APH Hot PA Bellow Leakage	
MSPGCL	Khaparkheda Unit 4	210	22/10/2019	23.52		Continued.	Zero Schedule By MSEDCL.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Oct/2019

Statement-VII

Position as on 6.30 Hrs of 22/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
Dhule Sar'Sarovar I	InterState	19/10/2019	23.13		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	20/10/2019	21.28	21/10/2019	07.16	T	Over Voltage
Kolhapur Solapur (PG) II	InterState	21/10/2019	21.50	22/10/2019	09.27	T	Over Voltage
Dhule Khandwa I	InterState	21/10/2019	22.06		Continued.	HT	Over Voltage
Jaigad-Karad Ckt-I	IntraState	19/10/2019	03.20		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	19/10/2019	08.20		Continued.	PO	Relay Retrofitting,while charging at 22.10hrs tripped on Distance Protection
Khadka-Aurangabad (Waluj)	IntraState	19/10/2019	19.15		Continued.	HT	Over Voltage
Alkud-Kolhapur(Talandage)	IntraState	21/10/2019	02.06	21/10/2019	06.59	T	Over Voltage
KolhapurIII-Alkud	IntraState	22/10/2019	02.55	22/10/2019	08.11	T	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.
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)
Khaparkhedha-Butibori 3	InterState	22/10/2019	08.40	22/10/2019	15.41	PO	SSN To DSN Conversion.
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.
Badnera-Akola I	IntraState	16/10/2019	08.07		Continued.	PO	Erection Of inline 220Kv Towers.
Badnera-Akola li	IntraState	16/10/2019	08.07		Continued.	PO	Erection Of inline 220Kv Towers.
Nanded - Parli Ext. Ckt II	IntraState	21/10/2019	07.50	21/10/2019	13.48	T	Distance Protection
Trombay - Kalwa	IntraState	21/10/2019	20.04	22/10/2019	07.36	PO	Construction work
Kalmeshwar-Pandhurna	IntraState	22/10/2019	10.00	22/10/2019	14.07	PO	Work At Pandhurna End.
Wardha Butibori-III	IntraState	22/10/2019	10.39	22/10/2019	14.59	PO	Repairing of Earthwire At LOC No.9 & 10.
Arey - TPC Borivali	IntraState	22/10/2019	11.02	22/10/2019	21.20	PO	Replacement of CT.
220kv Halkarni- Tillary	IntraState	22/10/2019	11.50	22/10/2019	17.55	T	Earthwire Stringing, Distance Protection, Y-Ph, 18.13Km, LOC No.281 Y-Ph Insulator.
Halkarni-Mahalaxmi line	IntraState	22/10/2019	11.58	22/10/2019	17.45	PO	Earthwire Stringing.
220kv Halkarni- Tillary	IntraState	22/10/2019	17.55	22/10/2019	21.57	T	Y-Ph LOC Insulator Flash Over At LOC No.281.
Trombay - Kalwa	IntraState	22/10/2019	20.17		Continued.	PO	Tower Piling Work At LOC No.22A.

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