

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 22/Oct/2019 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	103.966	2511.350	1) Gujrat	2.231	264.241
2) Hydro	14.914	155.295	2) Madhya Pradesh	1.921	197.555
3) Gas	10.252	210.978	3) Chattisgarh	4.640	79.600
Total MSPGCL	129.132	2877.623	4) Maharashtra	123.616	2829.637
B) 1) APMIL	40.444	867.542	5) Goa (Amona)	-0.726	-10.912
2) JSWEL	20.899	433.208	Total	131.682	3360.121
3) VIPL	0.000	0.000	a) Mumbai Schedule	28.419	686.764
4) RPL(AMT)	19.612	460.782	b) Mumbai Drawl	33.861	769.496
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	16.375	499.071
6) Other IPP	8.257	187.524	Include PX	-3.607	84.140
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	28.419	686.764
C) 1) TPCL Thermal	12.361	285.674	Include PX	4.832	256.460
2) TPCL Hydro	5.267	84.025	Standby	0.000	0.000
3) TPCL Gas	4.314	81.896	H) ENERGY CATERED (MUs)		
4) AEML Thermal	4.674	144.828	1) MSEDCL	325.995	7713.353
D) STATE			2) Mumbai Discoms	60.477	1365.916
1) Thermal	210.213	4890.908	TOTAL STATE	386.472	9079.269
(A1+C1+C4+(B1-B6))					
2) Hydro	20.181	239.320			
(A2+C2)					
3) Gas	14.566	292.874			
(A3+B7+C3)					
4) Wind	5.895	174.615			
6) SOLAR	3.935	121.434			
TOTAL STATE	254.790	5719.151			

* 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 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4587	4829	5123	3965
MSPGCL Hydro	965	299	691	592
MSPGCL Gas	425	422	422	441
MSPGCL Total Generation	5977	5550	6236	4998
Central Sector Receipt	6368	6091	6077	3385
WIND	222	257	344	298
CPP / IPP Thermal	4083	4188	4432	3439
CPP / IPP Gas	0	0	0	0
SOLAR	419	21	0	0
Exchange with Mumbai	-1762	-1603	-1491	-931
MSEDCL DEMAND MET	15307	14504	15598	11189
Load Shedding	0	0	0	0
MSEDCL DEMAND	15307	14504	15598	11189
TPCL GENERATION	867	1147	1246	652
AEML GENERATION	190	192	236	190
MUMBAI DEMAND	2819	2942	2973	1773
STATE DEMAND MET	18126	17446	18571	12962
STATE DEMAND	18126	17446	18571	12962
Frequency (Hz)	50.01	50.03	50.02	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 13.01 Hrs	49.8 Hz at 11.16 Hrs	50.01	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 22/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	8.58	59.95	370	317
Unit 9	0.00	214.01	0	0
Unit 10	10.86	221.48	500	400
Total	19.44	495.44		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	6.28	180.44	465	0
Unit 5	9.16	104.85	480	355
Total	15.43	285.29		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.49	40.84	118	0
Unit 7	4.32	106.18	199	140
Unit 8	0.00	71.04	0	0
Total	4.81	218.07		
Chandrapur				
Unit 3	3.90	70.20	175	143
Unit 4	3.80	79.23	170	130
Unit 5	8.04	179.78	360	310
Unit 6	8.89	185.24	450	325
Unit 7	0.00	0.00	0	0
Unit 8	8.99	196.72	460	360
Unit 9	8.82	191.35	450	325
Total	42.43	902.53		
Paras				
Unit 3	4.81	88.52	240	186
Unit 4	0.00	0.00	0	0
Total	4.81	88.52		
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	3.85	63.23	205	135
Unit 5	9.35	211.22	500	360
Total	13.20	384.70		
Nasik				
Unit 3	0.00	24.52	0	0
Unit 4	0.00	31.55	0	0
Unit 5	3.84	80.72	175	146
Total	3.84	136.79		
Uran				
All Units	10.25	210.98	449	405
Total	10.25	210.98		
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)	0.68	14.65	54	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.68	14.65		
Koyna				
Stage 1-2	5.42	65.84	550	40
Stage 4	4.80	39.64	711	0
Stage 3	2.17	24.94	240	0
Total	12.39	130.43		
Hydro				
KDPH	0.89	6.24	37	37
VTRNA	0.00	0.00	0	0
TILLARI	0.66	3.33	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.28	6.21	80	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.06	1.03	15	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.41	4.94	18	17
GHATGHAR	0.22	3.12	125	0
Total	2.52	24.87		
Wind				
Total	5.90	174.62	0	0
Total	5.90	174.62		
CPP				
APML(Mus)	40.44	867.54	0	0
JSWEL(Mus)	20.90	433.21	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	19.61	460.78	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	8.26	187.52	0	0
Total	89.21	1949.06		
SOLAR				
Total	3.94	121.43	0	0
Total	3.94	121.43		
Tata				
Trombay 5	7.63	180.47	476	280
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.74	50.91	116	103
Trombay 7B	1.57	30.98	67	62
Trombay 8	4.73	105.20	210	191
TATA Hydro	5.27	84.02	459	5
Total	21.94	451.60		
AEML				
DTPS U-1&2	4.67	144.83	236	190
Total	4.67	144.83		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	103.97	2511.35	MSPGCL Total	129.13	2877.62
			MSPGCL Thml+Gas	114.22	2722.33	Koyna 1,2 & 4 Total	10.22	105.48
			MSPGCL Hydro	14.91	155.30	State Total	254.79	5719.15

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 22/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	3956	609	443	5008	279	3439	0	0	4374	4078	-1152	11652	0	11652	2009	13661	50.03
2	3979	596	432	5007	283	3505	0	0	3823	3701	-1025	11471	0	11471	1873	13344	49.98
3	3965	592	441	4998	298	3439	0	0	3659	3385	-931	11189	0	11189	1773	12962	49.99
4	4006	780	430	5216	161	3281	0	0	3519	3604	-876	11386	0	11386	1713	13099	50.03
5	3991	840	430	5261	100	3313	0	0	3806	4015	-876	11813	0	11813	1708	13521	49.98
6	3992	785	441	5218	95	3445	0	0	4795	4712	-967	12503	0	12503	1803	14306	49.94
7	4152	1061	430	5643	177	3498	0	8	5562	5549	-1058	13817	0	13817	1931	15748	49.97
8	4238	1354	441	6033	190	3510	0	85	5693	5852	-1231	14439	0	14439	2154	16593	50.03
9	4367	1439	430	6236	209	3716	0	210	5820	6003	-1438	14936	0	14936	2480	17416	50.03
10	4587	965	425	5977	222	4083	0	419	6146	6368	-1762	15307	0	15307	2819	18126	50.01
11	4346	871	420	5637	228	3920	0	549	6505	6141	-1932	14543	0	14543	3065	17608	50.02
12	4315	1016	415	5746	245	3542	0	621	6099	6323	-1957	14520	0	14520	3149	17669	49.97
13	4272	498	414	5184	211	3506	0	520	6401	6436	-1934	13923	0	13923	3128	17051	50.03
14	4243	222	405	4870	242	3508	0	545	6475	6246	-1811	13600	0	13600	3028	16628	50.04
15	4261	154	417	4832	315	3662	0	510	6600	6333	-1810	13842	0	13842	3031	16873	50.01
16	4323	274	417	5014	429	3578	0	327	6522	6385	-1766	13967	0	13967	2997	16964	49.98
17	4297	374	429	5100	343	3604	0	120	6273	6423	-1672	13918	0	13918	2971	16889	49.97
18	4829	299	422	5550	257	4188	0	21	6029	6091	-1603	14504	0	14504	2942	17446	50.03
19	5123	691	422	6236	344	4432	0	0	5938	6077	-1491	15598	0	15598	2973	18571	50.02
20	5158	486	421	6065	201	4422	0	0	5771	5851	-1363	15176	0	15176	2891	18067	50.00
21	4635	267	424	5326	194	4098	0	0	5676	5808	-1351	14075	0	14075	2734	16809	49.98
22	4327	493	425	5245	291	3937	0	0	5482	5782	-1307	13948	0	13948	2575	16523	50.03
23	4282	139	449	4870	275	3856	0	0	5556	5507	-1272	13236	0	13236	2428	15664	50.02
24	4322	109	429	4860	306	3730	0	0	5318	5012	-1276	12632	0	12632	2302	14934	50.03
MUs	103.97	14.91	10.25	129.13	5.89	89.21	0.00	3.94	131.84	131.68	-33.86	325.99	0.00	325.99	60.48	386.47	50.01

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 22/Oct/2019

Position as on 6.30 Hrs of 23/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 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 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	23/10/2019	10.38	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 22/Oct/2019

Position as on 6.30 Hrs of 23/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.	
MSPGCL	Paras Unit 3	250	23/10/2019	00.00		Continued.	Zero Schedule	
MSPGCL	Parli Unit 6	250	23/10/2019	03.30		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Uran Unit 8	108	23/10/2019	12.46		Continued.	Compress Bearing vibration high.	
MSPGCL	Parli Unit 7	250	23/10/2019	17.00		Continued.	Zero Schedule.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Oct/2019

Statement-VII

Position as on 6.30 Hrs of 23/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) 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
Kolhapur Solapur(PG) I	InterState	23/10/2019	00.27		Continued.	T	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	23/10/2019	15.52	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
KolhapurIII-Alkud	IntraState	22/10/2019	02.55	22/10/2019	08.11	T	Over Voltage
Chandrapur - Khaperkheda	IntraState	23/10/2019	09.13	23/10/2019	17.03	PO	Auto Recloser Out.
Akola II - Akola I Ckt-I	IntraState	23/10/2019	10.18	23/10/2019	18.48	PO	Routine Maintenance Work
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 @Karad	IntraState	23/10/2019	03.22		Continued.	T	Differential protection
400/220kv 500MVA ICT-1 @ TAPTITANDA	IntraState	23/10/2019	13.06	23/10/2019	14.37	PO	HOt Line, 71 Deg Celcius.
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)
Khaparkheda-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	23/10/2019	12.55	PO	Erection Of inline 220Kv Towers.
Badnera-Akola li	IntraState	16/10/2019	08.07	23/10/2019	12.56	PO	Erection Of inline 220Kv Towers.
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	23/10/2019	07.29	PO	Tower Piling Work At LOC No.22A.
Khadka-Chalisgaon-2	IntraState	23/10/2019	01.02	23/10/2019	10.13	T	Distance Protection
Trombay Dharavi 9	IntraState	23/10/2019	08.50		Continued.	PO	Erection Of Tower LoC.I No.23
220kv Halkarni- Tillary	IntraState	23/10/2019	09.03	23/10/2019	17.47	PO	Earth Wire Replacement.
Halkarni-Mahalaxmi line	IntraState	23/10/2019	09.05	23/10/2019	17.43	PO	Earth Wire Replacement.
Talandge-Mudshingi Ckt-I	IntraState	23/10/2019	10.05	23/10/2019	12.15	PO	Line Maintenance work
Butibori - VIPL Ckt I	IntraState	23/10/2019	10.06	23/10/2019	16.21	PO	For CT Capacitance & Tan Delta

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 22/Oct/2019

Statement-VII

Position as on 6.30 Hrs of 23/Oct/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							& CB CRM & Timing.
Tembhurni - Jeur	IntraState	23/10/2019	10.54	23/10/2019	13.37	PO	Routine Maintenance Work
khaparkheda-Khaparkheda(new)-I	IntraState	23/10/2019	11.40	23/10/2019	18.23	PO	Routine Maintenance Work
Dasturi-Kandalgaon Line	IntraState	23/10/2019	13.15	23/10/2019	17.42	HT	Relay work.
Padghe - Jindal	IntraState	23/10/2019	14.30	23/10/2019	21.28	PO	cheeking CT Secondary Wiring Of Bus Bar Core.
Trombay MSETCL Tie 1	IntraState	23/10/2019	14.37	23/10/2019	19.14	HT	For Availing Bus Outage.
Trombay - Mulund	IntraState	23/10/2019	14.41	23/10/2019	19.17	HT	For Availing Bus Outage.
Loteparshuram- Dasturi Line	IntraState	23/10/2019	17.55	23/10/2019	20.31	HT	Relay work.
Trombay - Kalwa	IntraState	23/10/2019	20.02		Continued.	PO	Tower Piling Work At Loc.No.22A.
Bhambori Amalner	IntraState	23/10/2019	23.02		Continued.	T	Distance Protection
220 KV ICT Outages/Trippings							
220/22 Kv 50 Mva Bhel Ptr 1 @Mahad	IntraState	23/10/2019	08.52	23/10/2019	19.30	PO	Cold Welding FR Oil Leakage.

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