

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	161.069	3226.866	1) Gujrat	-0.278	19.225
2) Hydro	37.907	765.583	2) Madhya Pradesh	9.189	222.686
3) Gas	6.770	141.310	3) Chattisgarh	3.390	83.990
Total MSPGCL	205.746	4133.759	4) Maharashtra	109.166	2440.200
B) 1) APLM	77.021	1446.759	5) Goa (Amona)	-0.440	-9.944
2) JSWEL	25.303	496.062	Total	121.027	2756.157
3) VIPL	0.000	0.000	a) Mumbai Schedule	31.476	585.761
4) RPL(AMT)	11.274	11.297	b) Mumbai Drawl	34.167	677.331
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	13.123	275.128
6) Other IPP	7.704	164.718	Include PX	-7.583	-131.132
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	31.476	585.761
C) 1) TPCL Thermal	15.994	277.376	Include PX	16.114	333.293
2) TPCL Hydro	4.958	94.873	Standby	0.000	0.000
3) TPCL Gas	4.349	90.611	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.166	206.106	1) MSEDCL	442.928	8989.905
D) STATE			2) Mumbai Discoms	70.634	1346.296
1) Thermal	309.531	5829.184	TOTAL STATE	513.562	10336.201
(A1+C1+C4+(B1-B6))					
2) Hydro	42.865	860.456			
(A2+C2)					
3) Gas	11.119	231.921			
(A3+B7+C3)					
4) Wind	22.557	509.814			
6) SOLAR	6.463	148.670			
TOTAL STATE	392.535	7580.045			

* 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 15 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6756	6801	6408	6795
MSPGCL Hydro	1726	1831	1375	1660
MSPGCL Gas	270	267	283	287
MSPGCL Total Generation	8752	8899	8066	8742
Central Sector Receipt	5950	5967	4376	4229
WIND	354	601	1984	811
CPP / IPP Thermal	5110	5215	5121	4841
CPP / IPP Gas	0	0	0	0
SOLAR	875	722	0	0
Exchange with Mumbai	-1776	-1806	-1510	-935
MSEDCL DEMAND MET	19265	19598	18037	17688
Load Shedding	0	0	0	0
MSEDCL DEMAND	19265	19598	18037	17688
TPCL GENERATION	1236	1243	1134	888
AEML GENERATION	495	498	375	498
MUMBAI DEMAND	3507	3547	3019	2321
STATE DEMAND MET	22772	23145	21056	20009
STATE DEMAND	22772	23145	21056	20009
Frequency (Hz)	50.00	49.88	49.99	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 18.02 Hrs	49.65 Hz at 21.17 Hrs	49.96	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/May/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.99	40.66	180	145
Unit 7	0.00	0.00	0	0
Unit 8	7.10	217.56	340	265
Unit 9	7.12	191.92	360	240
Unit 10	7.01	225.82	310	280
Total	25.22	675.96		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	11.28	197.70	505	350
Unit 5	11.40	220.24	505	355
Total	22.68	417.93		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	0.00	0	0
Total	0.00	0.00		
Chandrapur				
Unit 3	4.56	76.89	195	168
Unit 4	4.15	86.74	175	165
Unit 5	10.15	139.99	430	390
Unit 6	10.81	217.52	465	395
Unit 7	10.30	205.33	450	382
Unit 8	11.48	225.28	485	473
Unit 9	11.08	212.04	475	450
Total	62.53	1163.80		
Paras				
Unit 3	6.11	121.16	258	250
Unit 4	6.00	121.43	254	235
Total	12.11	242.58		
Khaparkheda				
Unit 1	3.24	58.47	140	110
Unit 2	3.26	70.86	140	105
Unit 3	3.40	75.94	150	138
Unit 4	3.38	76.35	145	140
Unit 5	11.47	230.41	490	455
Total	24.74	512.03		
Nasik				
Unit 3	4.59	34.12	203	155
Unit 4	4.74	91.55	210	160
Unit 5	4.46	88.90	199	160
Total	13.79	214.57		
Uran				
All Units	6.77	141.31	289	267
Total	6.77	141.31		
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)	0.00	1.20	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.00	1.20		
Koyna				
Stage 1-2	7.02	146.24	495	90
Stage 4	21.63	423.32	1002	676
Stage 3	6.70	124.88	320	204
Total	35.34	694.45		
Hydro				
KDPH	0.56	14.00	24	23
VTRNA	0.73	17.09	60	0
TILLARI	0.00	6.60	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.24	5.01	40	0
RNGR+BHTSA	0.24	5.20	10	9
BHANDARDRA	0.00	2.36	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.20	6.72	9	8
GHATGHAR	0.60	14.16	250	0
Total	2.56	71.13		
Wind				
Total	22.56	509.81	0	0
Total	22.56	509.81		
CPP				
APML(Mus)	77.02	1446.76	0	0
JSWEL(Mus)	25.30	496.06	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	11.27	11.30	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	7.70	164.72	0	0
Total	121.30	2118.84		
SOLAR				
Total	6.46	148.67	0	0
Total	6.46	148.67		
Tata				
Trombay 5	10.70	184.19	485	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.78	57.76	117	115
Trombay 7B	1.57	32.86	66	64
Trombay 8	5.30	93.19	229	197
TATA Hydro	4.96	94.87	440	0
Total	25.30	462.86		
AEML				
DTPS U-1&2	11.17	206.11	500	375
Total	11.17	206.11		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	161.07	3226.87	MSPGCL Total	205.75	4133.76
			MSPGCL Thml+Gas	167.84	3368.18	Koyna 1,2 & 4 Total	28.64	569.57
			MSPGCL Hydro	37.91	765.58	State Total	392.54	7580.04

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/May/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	6832	1847	284	8963	844	4840	0	0	4501	5092	-1324	18415	0	18415	2839	21254	49.86
2	6814	1827	284	8925	827	4871	0	0	4413	4684	-1208	18099	0	18099	2632	20731	49.90
3	6801	1821	286	8908	877	4869	0	0	4339	4423	-1072	18005	0	18005	2458	20463	50.00
4	6795	1660	287	8742	811	4841	0	0	4275	4229	-935	17688	0	17688	2321	20009	49.99
5	6793	1478	286	8557	782	4760	0	0	4522	4703	-877	17925	0	17925	2263	20188	49.94
6	6805	1618	288	8711	746	4863	0	0	4887	4923	-914	18329	0	18329	2299	20628	50.02
7	6802	1809	289	8900	658	4974	0	60	5065	5111	-865	18838	0	18838	2251	21089	50.01
8	6832	1490	287	8609	523	4844	0	202	5132	5188	-998	18368	0	18368	2388	20756	50.05
9	6823	1314	285	8422	488	4915	0	466	5330	5499	-1237	18553	0	18553	2713	21266	50.02
10	6793	1421	281	8495	363	4990	0	655	5540	5710	-1542	18671	0	18671	3084	21755	49.95
11	6786	1517	279	8582	326	5023	0	780	5711	5460	-1662	18509	0	18509	3369	21878	49.96
12	6756	1726	270	8752	354	5110	0	875	5844	5950	-1776	19265	0	19265	3507	22772	50.00
13	6767	1629	278	8674	369	5283	0	856	5773	5528	-1805	18905	0	18905	3514	22419	49.96
14	6797	1437	276	8510	490	5225	0	803	5776	5574	-1757	18845	0	18845	3460	22305	49.89
15	6801	1831	267	8899	601	5215	0	722	5876	5967	-1806	19598	0	19598	3547	23145	49.88
16	6792	1854	278	8924	790	5216	0	495	5919	5849	-1799	19475	0	19475	3552	23027	49.91
17	6835	1655	280	8770	1116	5195	0	365	5824	5647	-1707	19386	0	19386	3456	22842	50.02
18	6745	1269	281	8295	1821	5157	0	160	5449	5237	-1707	18963	0	18963	3282	22245	50.05
19	6292	1454	283	8029	1898	4960	0	24	4489	4187	-1685	17413	0	17413	3054	20467	50.02
20	6408	1375	283	8066	1984	5121	0	0	4392	4376	-1510	18037	0	18037	3019	21056	49.99
21	6311	1111	283	7705	1904	5202	0	0	4357	4362	-1475	17698	0	17698	2915	20613	49.87
22	6333	1725	284	8342	1437	4986	0	0	4056	4307	-1489	17583	0	17583	2868	20451	49.85
23	6613	1776	284	8673	1215	5295	0	0	4454	4373	-1528	18028	0	18028	2897	20925	49.94
24	6743	1263	287	8293	1333	5547	0	0	4795	4648	-1489	18332	0	18332	2946	21278	49.98
MUs	161.07	37.91	6.77	205.75	22.56	121.30	0.00	6.46	120.72	121.03	-34.17	442.93	0.00	442.93	70.63	513.56	49.96

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/May/2019

Position as on 6.30 Hrs of 22/May/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 7	250	12/12/2018	00.00		Continued.	Zero Schedule. (From Dt-27/01/2019 Converted Zero sch to AOH) and (from dt-15/02/2019 Converted AOH to Zero sch by MSEDCL)	
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 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.	Poor Coal Receipt	
MSPGCL	Uran Unit B0	120	08/09/2018	12.19		Continued.	T/F Shifting Work.	
IPP	SWPGL U-2	135	27/11/2018	00.00		Continued.	No Schedule.	
MSPGCL	Parli Unit 6	250	12/12/2018	00.00		Continued.	Zero Schedule.	
MSPGCL	Bhusawal Unit 3	210	14/12/2018	03.00		Continued.	Zero 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	Koradi Unit 7	210	19/01/2019	18.21		Continued.	Poor Coal Receipt	
IPP	RPL(AMT) U-1	270	20/04/2019	00.01	21/05/2019	19.30	Zero Schedule.	
IPP	RPL(AMT) U-5	270	21/04/2019	00.01	21/05/2019	10.02	Zero Schedule.	
IPP	RPL(AMT) U-2	270	24/04/2019	00.00		Continued.	Zero Schedule	
IPP	RPL(AMT) U-3	270	30/04/2019	17.00	21/05/2019	07.12	Zero Schedule	
MSPGCL	Parli Unit 8	250	01/05/2019	00.00		Continued.	Zero Schedule	
MSPGCL	Uran Unit 8	108	20/05/2019	16.01		Continued.	Gas shortage	
MSPGCL	Koyana STG-IV Unit-2	250	21/05/2019	13.15	21/05/2019	16.08	Thrust Bearing High Protection.	

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

Statement-VII

Position as on 6.30 Hrs of 22/May/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	17/05/2019	13.39		Continued.	HT	Over Voltage
Dabhol Newkoyna li	InterState	21/05/2019	02.43	21/05/2019	03.23	T	Distance Protection(Tripped at Dabhol end only)
Dabhol Newkoyna li	InterState	22/05/2019	02.12		Continued.	T	Distance Protection, R PH Zone 2 57.14KM.
Khadka-Aurangabad (Waluj)	IntraState	20/05/2019	18.26	21/05/2019	06.40	HT	Over Voltage
Padghe - Nagothane - I	IntraState	21/05/2019	02.41	21/05/2019	03.12	T	Distance Protection(Tripped at Padghe end only)
New Koyna - Dabhol - II	IntraState	21/05/2019	02.43	21/05/2019	03.23	T	Distance Protection At Dabhol End:Z1.Y-E.
Padghe - Nagothane - II	IntraState	21/05/2019	03.48		Continued.	EO	R Phase Conductor found Broken
Padghe - Nagothane - I	IntraState	21/05/2019	03.48	21/05/2019	18.34	HT	R-PH Conductor Found Broken At 29KM From Nagothane End.
Deepnagar - Aurangabad	IntraState	21/05/2019	06.45	21/05/2019	19.09	PO	Replacement Of Dead End & Mid Span Joint.
Khadka-Aurangabad (Waluj)	IntraState	21/05/2019	19.11	22/05/2019	06.56	HT	Over Voltage
N.Koyna-Karad -Ckt II	IntraState	21/05/2019	23:01	22/05/2019	00:01	T	Distance Protection Zone I
Padghe - Kalwa-II	IntraState	22/05/2019	01.31		Continued.	T	Distance Protection,Zone1 RY PH 14.51KM Conductor Snapping.
Kalwa - Talegaon(PG)	IntraState	22/05/2019	01.36		Continued.	T	Distance Protection,Zone 1 32.4km R PH 06.07KA
Nagothane - Dabhol I	IntraState	22/05/2019	04.20	22/05/2019	05.04	T	Distance Protection,Tripped At Dabhol 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.
400/220kv 315 Mva ICT I @Karad	IntraState	20/05/2019	09.51	21/05/2019	12.39	PO	OLTC Overhauling work
400/220 kV 500MVA ICT-I @ Alkud	IntraState	21/05/2019	07.36	21/05/2019	08.00	T	Bus OPTD As Mendhgiri Line's B-PH CT Fail.
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.
Wardha Deoli (Pg)	InterState	21/05/2019	16.30	21/05/2019	18.05	PO	NTAMC Control Signal Testing At Wardha PG End.
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of Conductor Loc No 86 Disconnecting of Jumper At Loc No 86 & 107 And De-energising The Line Bet.86 To 107.
Chandrapur GCR - Wani	IntraState	05/04/2015	09.15		Continued.	PO	For Bunching of Conductor At Loc No.86 Disconnecting of Jumper At Loc No.86 To 107 And Deenergising The Line Between Loc No.86 To 107.
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading.
Kharepatan -Pawas Line	IntraState	21/05/2019	04.26	21/05/2019	15.55	T	Distance Protection,Kharepatan End R-E.1.07KA,76.71KM;Pawas End-R-E.1.6KA,1.64KM.
Trombay-Salsette II	IntraState	21/05/2019	06.13	21/05/2019	10.38	PO	TBR Installation.
Taloja li - OCIL-II	IntraState	21/05/2019	07.12	21/05/2019	21.25	PO	Pre Monsoon Maint. Work.
Alkud Miraj	IntraState	21/05/2019	07.36	21/05/2019	08.00	T	Bus OPTD As Mendhgiri Line's B-PH CT Fail.
Vita Alkud	IntraState	21/05/2019	07.36	21/05/2019	08.00	T	Bus OPTD As Mendhgiri Line's B-PH CT Fail.
Karad(400kv) - Ogalewadi Ckt 1	IntraState	21/05/2019	09.15	21/05/2019	16.06	PO	Restraining Of Conductor.
Lonikand-VSNL	IntraState	21/05/2019	09.19	21/05/2019	10.11	PO	Relay Testing Work,Outage

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 21/May/2019

Statement-VII

Position as on 6.30 Hrs of 22/May/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							Cancelled As Load Is Not Managed & LTS OPTD BHOSARIS/s.100MW Load Affected From 09.55HRS To 10.14HRS.20 NO.22KV Feeders
OSMANABAD PARANDA	IntraState	21/05/2019	09.24	21/05/2019	12.53	PO	Quarterly Maintainance Work
Miraj - ICHALKARANJI - II (TILWANI)	IntraState	21/05/2019	09.55	21/05/2019	16.34	PO	Quarterly Maintainance Work
Eklahare (Ocr)Nasik - Padghe 2	IntraState	21/05/2019	12.13	21/05/2019	17.06	HT	For Load management Of Interconnector OCR To GCR Load Shifted On Padghe S/S.
Kathapur-Ranjangaon	IntraState	21/05/2019	15.30	21/05/2019	19.15	PO	Insulator Replacement Work
Hinganghat - Bhugaon	IntraState	21/05/2019	17.00	21/05/2019	18.17	EO	For Attending Hot Spot At B PH CT ToWards Isolator(Temp 245.5)
Niwali - Pawas Line	IntraState	22/05/2019	04.55		Continued.	T	Distance Protection,Zone 1 49.07KM.
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT-II @Trombay	IntraState	28/03/2019	22.48		Continued.	T	Buccholz Trip.
220/132Kv 200MVA ICT-I @ Chikhali	IntraState	20/05/2019	08.08		Continued.	PO	Pre Mponsoon Maint.and Testing work
220/132 Kv 100 MVA ICT - II @ Ghatodi	IntraState	21/05/2019	07.07	21/05/2019	11.08	PO	Pre monsoon Maintenance.
220/33 Kv 100 Mva Bbl Ptr 2 @Valve	IntraState	21/05/2019	09.16	21/05/2019	13.48	PO	Pre Monsoon Maintenance.
220/132 KV ICT II @ Kopergaon	IntraState	21/05/2019	09.30		Continued.	PO	Premonsoon Maint.Work.
220/132 Kv 100 Mva lbt Ptr @Old Gcr Parli	IntraState	21/05/2019	10.20	21/05/2019	15.03	PO	Pre Monsoon Maintenance
220/100 Kv 200 MVA ICT I @Kolshet	IntraState	21/05/2019	10.27	21/05/2019	18.22	PO	OLTC Overhauling,Dignostic testing Work.
220/33kv 50mva Bbl @Oglewadi	IntraState	21/05/2019	11.25	21/05/2019	15.20	PO	Premonsoon maint Work.
220/132 kv 200 MVA ICT- I @ Nanded	IntraState	21/05/2019	16.40	21/05/2019	17.52	PO	Pre Monsoon Maintenance.
220/132 Kv 200 Mva lct - 2 @Harangul	IntraState	21/05/2019	17.03	21/05/2019	22.40	PO	To Carrying Pre Monsoon Maintenance Work Of ICT No-2 & TAn Delta OF HV & LV CT.CRM,Trimming OF HVAND LV CIRCUIT Breaker & Auxilary Protection TRails OF ICT2
132 KV LINE Outages/Trippings							
Mansar Pench	InterState	07/03/2019	15.40		Continued.	HT	Hand trip From Pench end for system requirement.
Kanhan-Pench	IntraState	22/01/2019	18.44		Continued.	HT	After Completion of Outage.
Pbn-li - Pathri	IntraState	21/05/2019	18.50	21/05/2019	19.18	T	OC,EF Protection Operated Due To Tripping Of 2 No 33Kv Feeder & 132/33Kv 50 MVA T/F At Pathari s/s.Tripped From Parbhani End Only.

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