

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Sep/2021 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	100.327	2119.169	1) Gujrat	-4.530	-203.675
2) Hydro	31.922	312.240	2) Madhya Pradesh	12.251	118.953
3) Gas	5.592	136.296	3) Chattisgarh	6.160	98.250
Total MSPGCL	137.841	2567.705	4) Maharashtra	160.923	2860.179
B) 1) APLM	43.312	993.601	5) Goa (Amona)	-1.476	-21.459
2) JSWEL	12.744	267.426	Total	173.328	2852.248
3) VIPL	0.000	0.000	a) Mumbai Schedule	23.278	506.847
4) RPL(AMT)	25.244	480.387	b) Mumbai Drawl	23.032	481.570
5) SWPGPL	6.230	103.538	c) MSEDCL Bilateral *	64.767	760.293
6) Other IPP	6.881	112.171	Include PX	33.804	180.016
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	23.278	506.847
C) 1) TPCL Thermal	14.172	263.901	Include PX	9.954	170.683
2) TPCL Hydro	5.978	72.381	Standby	0.000	0.000
3) TPCL Gas	3.226	55.899	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.888	218.371	1) MSEDCL	405.383	7628.446
D) STATE			2) Mumbai Discoms	58.296	1092.124
1) Thermal	220.798	4558.564	TOTAL STATE	463.679	8720.570
(A1+C1+C4+(B1-B6))					
2) Hydro	37.900	384.621			
(A2+C2)					
3) Gas	8.818	192.195			
(A3+B7+C3)					
4) Wind	16.434	615.435			
6) SOLAR	6.401	117.505			
TOTAL STATE	290.351	5868.320			

* 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 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	3998	4074	4150	4175
MSPGCL Hydro	2106	1840	1891	256
MSPGCL Gas	228	226	235	251
MSPGCL Total Generation	6332	6140	6276	4682
Central Sector Receipt	8676	8065	7285	6058
WIND	339	379	1007	659
CPP / IPP Thermal	3909	3917	4006	3919
CPP / IPP Gas	0	0	0	0
SOLAR	818	877	0	0
Exchange with Mumbai	-1534	-1379	-994	-517
MSEDCL DEMAND MET	18540	17999	17580	14801
Load Shedding	0	0	0	0
MSEDCL DEMAND	18540	17999	17580	14801
TPCL GENERATION	931	1064	1206	838
AEML GENERATION	497	496	497	497
MUMBAI DEMAND	2962	2939	2697	1852
STATE DEMAND MET	21502	20938	20277	16653
STATE DEMAND	21502	20938	20277	16653
Frequency (Hz)	50.02	49.96	49.91	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 14:36 Hrs	49.79 Hz at 16:54 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 20/Sep/2021

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	2.39	36.97	135	65
Unit 7	0.00	0.00	0	0
Unit 8	12.55	140.29	623	451
Unit 9	0.00	123.23	0	0
Unit 10	8.88	179.42	378	368
Total	23.82	479.91		
Bhusawal				
Unit 3	0.00	17.05	0	0
Unit 4	10.73	162.38	460	405
Unit 5	0.00	125.00	0	0
Total	10.73	304.42		
Parli				
Unit 6	0.00	0.00	0	0
Unit 7	4.87	65.21	212	198
Unit 8	4.73	85.81	203	193
Total	9.60	151.02		
Chandrapur				
Unit 3	0.00	11.53	0	0
Unit 4	0.00	25.91	0	0
Unit 5	3.13	127.29	266	0
Unit 6	6.56	77.90	285	255
Unit 7	6.64	143.78	294	250
Unit 8	8.34	178.76	432	250
Unit 9	8.36	112.11	382	280
Total	33.03	677.27		
Paras				
Unit 3	0.00	20.70	0	0
Unit 4	4.74	77.91	208	189
Total	4.74	98.61		
Khaparkheda				
Unit 1	0.00	24.46	0	0
Unit 2	0.00	34.67	0	0
Unit 3	3.23	66.16	145	121
Unit 4	3.41	65.94	178	130
Unit 5	7.72	134.09	405	260
Total	14.36	325.32		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	4.05	42.96	193	154
Unit 5	0.00	39.67	0	0
Total	4.05	82.62		
Uran				
All Units	5.59	136.30	251	224
Total	5.59	136.30		
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)	0.08	6.33	27	0
Total	0.08	6.33		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	7.20	63.57	530	45
Stage 4	13.54	71.93	1003	0
Stage 3	4.66	36.71	320	0
Total	25.40	172.20		
Hydro				
KDPH	0.00	4.44	0	0
VTRNA	0.40	4.44	60	0
TILLARI	0.30	4.32	60	0
BHIRA T.R.	0.32	7.55	40	0
SMLHY_PTN	5.00	106.40	231	198
GHATGHAR	0.49	12.88	215	0
Total	6.52	140.04		
Wind				
Total	16.43	615.44	0	0
Total	16.43	615.44		
CPP				
APML(Mus)	43.31	993.60	0	0
JSWEL(Mus)	12.74	267.43	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.24	480.39	0	0
SWPGPL-Mus	6.23	103.54	0	0
Other(Mus)	6.88	112.17	0	0
Total	94.41	1957.12		
SOLAR				
Total	6.40	117.50	0	0
Total	6.40	117.50		
Tata				
Trombay 5	9.49	172.14	476	275
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.89	35.02	115	63
Trombay 7B	1.33	20.88	67	50
Trombay 8	4.69	91.76	222	135
TATA Hydro	5.98	72.38	419	36
Total	23.38	392.18		
AEMIL				
DTPS U-1&2	11.89	218.37	498	492
Total	11.89	218.37		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	100.33	2119.17	MSPGCL Total	137.84	2567.70
			MSPGCL Thml+Gas	105.92	2255.46	Koyna 1,2 & 4 Total	20.75	135.50
			MSPGCL Hydro	31.92	312.24	State Total	290.35	5868.32

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/Sep/2021

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	4297	328	231	4856	953	4037	0	0	5871	6081	-708	15219	0	15219	2098	17317	50.00
2	4214	441	241	4896	741	3954	0	0	5835	5818	-584	14825	0	14825	1950	16775	50.02
3	4175	256	251	4682	659	3919	0	0	6166	6058	-517	14801	0	14801	1852	16653	50.03
4	4132	276	242	4650	711	3880	0	0	6386	6460	-491	15210	0	15210	1787	16997	50.01
5	4177	352	241	4770	557	3842	0	0	6657	6539	-482	15226	0	15226	1773	16999	50.00
6	4218	798	231	5247	553	3918	0	0	7066	7187	-582	16323	0	16323	1833	18156	50.01
7	4226	1526	242	5994	475	3904	0	33	7749	7883	-692	17597	0	17597	1881	19478	50.00
8	4305	2008	251	6564	371	3955	0	270	7832	8051	-753	18458	0	18458	2064	20522	50.00
9	4346	2010	230	6586	489	3912	0	591	8068	8236	-1055	18759	0	18759	2374	21133	50.03
10	4371	1893	240	6504	515	3904	0	740	8352	8195	-1309	18549	0	18549	2665	21214	50.03
11	4137	1902	230	6269	378	3903	0	731	8426	8606	-1437	18450	0	18450	2886	21336	50.03
12	3998	2106	228	6332	339	3909	0	818	8688	8676	-1534	18540	0	18540	2962	21502	50.02
13	4074	1840	226	6140	379	3917	0	877	8613	8065	-1379	17999	0	17999	2939	20938	49.96
14	4086	1409	226	5721	629	3951	0	848	8072	7874	-1368	17655	0	17655	2820	20475	50.04
15	4105	1272	224	5601	800	3869	0	722	7995	7791	-1288	17495	0	17495	2855	20350	50.04
16	4120	1349	224	5693	898	3901	0	455	7835	7876	-1254	17569	0	17569	2854	20423	50.02
17	4091	1460	225	5776	936	3883	0	255	7705	7600	-1161	17289	0	17289	2821	20110	49.95
18	4102	1660	225	5987	1159	3847	0	61	7466	7165	-1062	17157	0	17157	2766	19923	49.99
19	4150	1891	235	6276	1007	4006	0	0	7333	7285	-994	17580	0	17580	2697	20277	49.91
20	4192	2136	226	6554	901	4069	0	0	7292	7020	-981	17563	0	17563	2698	20261	50.01
21	4152	1682	238	6072	871	3965	0	0	6621	6466	-901	16473	0	16473	2576	19049	50.01
22	4174	1548	228	5950	773	3973	0	0	6313	6193	-867	16022	0	16022	2460	18482	50.01
23	4218	1121	228	5567	741	3970	0	0	6267	6152	-824	15606	0	15606	2366	17972	50.04
24	4267	658	229	5154	599	4023	0	0	6109	6051	-809	15018	0	15018	2319	17337	50.04
MUs	100.33	31.92	5.59	137.84	16.43	94.41	0.00	6.40	174.72	173.33	-23.03	405.38	0.00	405.38	58.30	463.68	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 20/Sep/2021

Position as on 6.30 Hrs of 21/Sep/2021

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
IPP	RPL(AMT) U-4	270	02/09/2021	00.00		Continued.	Annual Overhaul	
MSPGCL	Chandrapur Unit 3	210	04/09/2021	23.58		Continued.	Annual Overhaul	
FORCED OUTAGE								
IPP	SWPGPL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	No PPA	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage. (NO PPA From 20.05.2019)	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal shortage.(NO PPA From 20.05.2019)	
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
IPP	SWPGPL U-4	135	05/08/2021	03.04		Continued.	Turbine Vibration High.	
MSPGCL	Parli Unit 6	250	26/08/2021	21.06		Continued.	Coal Shortage (Converted to AOH 00.00Hrs from Dt.01/09/2021)	
MSPGCL	Nasik Unit 3	210	30/08/2021	22.51		Continued.	Against case 4.which was outage on Loss of Fuel(From 19.44Hrs DT.26-08-2021	
IPP	JSW (J) U1	300	02/09/2021	08.41		Continued.	Turbine vibrations high.	
MSPGCL	Paras Unit 3	250	06/09/2021	09.20	21/09/2021	06.07	Turbine bearing Vabration high	
IPP	JSW (J) U3	300	07/09/2021	10.20		Continued.	Non availability of load scheduling.	
MSPGCL	Uran Unit A0	120	10/09/2021	01.54		Continued.	Turbine bearing Vabration high	
MSPGCL	Khaparkheda Unit 1	210	11/09/2021	19.37		Continued.	Coal Shortage.	
MSPGCL	Khaparkheda Unit 2	210	12/09/2021	21.59		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 9	660	15/09/2021	05.19		Continued.	Air pre-heater work.	
MSPGCL	Chandrapur Unit 4	210	15/09/2021	23.54		Continued.	Poor coal receipt	
MSPGCL	Uran Unit 5	108	17/09/2021	12.09		Continued.	Tripped On Under exciter Protection.	
MSPGCL	Bhusawal Unit 3	210	18/09/2021	03.30		Continued.	Coal Shortage	
MSPGCL	Bhusawal Unit 5	500	18/09/2021	21.00		Continued.	Coal Shortage	
IPP	Adani U-5	660	19/09/2021	03.47		Continued.	Abnormal Sound in Turbine governing system.	
MSPGCL	Nasik Unit 5	210	19/09/2021	20.50		Continued.	Coal Shortage.	
MSPGCL	Chandrapur Unit 5	500	20/09/2021	10.25	20/09/2021	20.37	Furnace Pressure High	
MSPGCL	Paras Unit 3	250	21/09/2021	21.30		Continued.	Turbine bearing Vabration high	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Tripping for 20/Sep/2021

Statement-VII

Position as on 6.30 Hrs of 21/Sep/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Tripping							
Chandrapur - Padghe HvdC Pole 2	IntraState	21/09/2021	03.36	21/09/2021	10.04	T	Tripped on Line Fault
400 KV LINE Outages/Tripping							
Karad - Solapur (PG)	InterState	03/05/2017	11:49		Continued.	PO	Line Converted As 220 Kv Solapur (PG)- Jeur From LOC 403
Parli(MS)-Parli (PG) I	InterState	20/09/2021	16.40	20/09/2021	18.02	HT	Sparking on Y phase Isolator
Koradi Bhilai	InterState	21/09/2021	09.17	21/09/2021	21.41	PO	For Line Bay AMP work.
Bus Coupler @ Lonikand	IntraState	16/09/2021	09.48	21/09/2021	22.04	PO	CB overhauling work.
Khadka-Aurangabad (Waluj)	IntraState	19/09/2021	18.08	20/09/2021	08.52	HT	Over Voltage
Karad-Jaigad - I	IntraState	19/09/2021	20.56	20/09/2021	08.59	HT	Over Voltage
Ektuni-Bableshtar ckt II	IntraState	20/09/2021	09.22	20/09/2021	19.22	PO	To replace Disc Insulators
Pune(GIS)-A'bad(Waluj) Ckt 1	IntraState	20/09/2021	11.53	20/09/2021	20.13	PO	Rectifying line defects
Khadka-Aurangabad (Waluj)	IntraState	20/09/2021	20.18	21/09/2021	08.17	HT	Over Voltage
Pune(GIS)-Parli(PG) Ckt 1	IntraState	20/09/2021	22.47	20/09/2021	00.23	EO	Hotspot of 384 Deg at Expansion clamp of R phase CT in TBC bay.
Lonikand2-Lonikand1 (Intrconector)	IntraState	21/09/2021	00.40	21/09/2021	03.07	EO	Attending Hot Spot
Karad - Talandge Ckt 2	IntraState	21/09/2021	08.29	21/09/2021	10.50	PO	Attending Hot Spot
Khadka-Aurangabad (Waluj)	IntraState	21/09/2021	19.16		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	21/09/2021	20.16		Continued.	HT	Over Voltage
400 KV ICT Outages/Tripping							
400/220/33 Kv 500 Mva Ict 1 @ CHANDRAPUR 2	IntraState	07/09/2021	20.23		Continued.	T	Differential protection.
400/220KV 500MVA ICT-I @Nanded	IntraState	21/09/2021	10.54	21/09/2021	17.34	PO	For CTR testing & replacement of faulty parts. Annul Tan-d & bay maintenance.
220 KV LINE Outages/Tripping							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule(Charge from Mudshingi end only)
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule(Close at Chikodi end only)
Khadka-Chalisgaon-1	IntraState	20/09/2021	09.25	20/09/2021	16.57	PO	Routine Maintenance Work
Eklahara-(Ocr)(Nashik)-Navasari I	IntraState	20/09/2021	10.04	20/09/2021	16.27	PO	Replacement of Old Disc Insulator
Loteaparshuram- Dasturi Line	IntraState	20/09/2021	10.30	20/09/2021	14.17	PO	Bus outage at Lote s/stn
New Koyana - Loteaparshuram	IntraState	20/09/2021	10.40	20/09/2021	19.10	PO	CC Replacement
Adlabs - Pedambe	IntraState	20/09/2021	10.43	20/09/2021	17.30	T	Distance Protection
Parli 2-(Girwali) -Murud	IntraState	20/09/2021	10.55	20/09/2021	18.51	PO	Isolator alignment work
Uran - Kharghar I	IntraState	20/09/2021	15.24		Continued.	PO	Cable charging and connection (RFC 02.15)
Karad - Kadegaon	IntraState	20/09/2021	15.25	20/09/2021	17.58	EO	To attend Hot Spot
Kharghar - Tss Panvel	IntraState	21/09/2021	05.25	21/09/2021	22.10	T	Distance Protection
Nagothane - Ipcl	IntraState	21/09/2021	09.05	21/09/2021	13.40	PO	Emergency tree cutting work.
satara MIDC- Malharpeth	IntraState	21/09/2021	09.25	21/09/2021	17.47	PO	Replacement of Long rod polymer insulator strings near.
Chalisgaon -Babhaleshtar	IntraState	21/09/2021	09.46	21/09/2021	13.51	EO	RED hot attend on B phase wave trap.
Nigade- Peth Line	IntraState	21/09/2021	10.00	21/09/2021	15.19	PO	Diagnostic testing work, B ph CT oil leakage attending work. Also replacement of window Annunciation and confirmation of auto re-close operation of CB.
Badnera Tss-Ii	IntraState	21/09/2021	22.55		Continued.	T	R-Ph metering CT burst.
220 KV ICT Outages/Tripping							

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 20/Sep/2021

Statement-VII

Position as on 6.30 Hrs of 21/Sep/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/132KV 200MVA ICT-II @ Miraj	IntraState	20/09/2021	08.51	20/09/2021	17.00	PO	Winding resistance measurement work
220/132 Kv 100 Mva Ict 1 @South Solapur (Kumbhari)	IntraState	20/09/2021	11.00	20/09/2021	15.39	PO	Testing Work
220/132 Kv 100mva Ict 2 @South Solapur (Kumbhari)	IntraState	20/09/2021	15.42	20/09/2021	17.45	PO	Testing Work