

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Sep/2021 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	98.758	2412.243	1) Gujrat	-8.537	-223.294
2) Hydro	27.589	384.452	2) Madhya Pradesh	11.966	152.538
3) Gas	5.611	152.534	3) Chattisgarh	6.370	113.440
Total MSPGCL	131.958	2949.229	4) Maharashtra	161.625	3353.915
B) 1) APLM	49.616	1134.426	5) Goa (Amona)	-0.920	-24.702
2) JSWEL	12.389	303.791	Total	170.504	3371.897
3) VIPL	0.000	0.000	a) Mumbai Schedule	24.764	581.790
4) RPL(AMT)	13.043	533.733	b) Mumbai Drawl	22.618	550.662
5) SWPGPL	6.171	122.270	c) MSEDCL Bilateral *	62.940	958.828
6) Other IPP	4.923	129.851	Include PX	38.337	293.850
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	24.764	581.790
C) 1) TPCL Thermal	15.638	308.744	Include PX	8.196	198.256
2) TPCL Hydro	5.116	87.330	Standby	0.000	0.000
3) TPCL Gas	2.484	64.055	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.931	253.776	1) MSEDCL	384.616	8793.683
D) STATE			2) Mumbai Discoms	57.787	1264.569
1) Thermal	212.469	5198.834	TOTAL STATE	442.403	10058.252
(A1+C1+C4+(B1-B6))					
2) Hydro	32.705	471.782			
(A2+C2)					
3) Gas	8.095	216.589			
(A3+B7+C3)					
4) Wind	13.365	665.662			
6) SOLAR	5.265	133.486			
TOTAL STATE	271.899	6686.353			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4192	4108	4335	4144
MSPGCL Hydro	1209	799	2429	567
MSPGCL Gas	230	229	228	230
MSPGCL Total Generation	5631	5136	6992	4941
Central Sector Receipt	8852	8240	6512	6174
WIND	289	340	842	321
CPP / IPP Thermal	3619	3596	3814	3396
CPP / IPP Gas	0	0	0	0
SOLAR	688	655	0	0
Exchange with Mumbai	-1426	-1463	-984	-519
MSEDCL DEMAND MET	17653	16504	17176	14313
Load Shedding	0	0	0	0
MSEDCL DEMAND	17653	16504	17176	14313
TPCL GENERATION	981	946	1187	812
AEML GENERATION	496	495	497	496
MUMBAI DEMAND	2903	2904	2668	1827
STATE DEMAND MET	20556	19408	19844	16140
STATE DEMAND	20556	19408	19844	16140
Frequency (Hz)	49.98	50.07	50.04	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 12.19 Hrs	49.85 Hz at 10.29 Hrs	50.02	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 23/Sep/2021

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	2.52	44.28	135	75
Unit 7	0.00	0.00	0	0
Unit 8	11.42	174.30	520	330
Unit 9	0.00	123.23	0	0
Unit 10	8.80	206.10	375	319
Total	22.74	547.91		
Bhusawal				
Unit 3	0.00	17.05	0	0
Unit 4	9.36	191.72	425	320
Unit 5	8.60	134.55	385	335
Total	17.96	343.32		
Parli				
Unit 6	0.00	0.00	0	0
Unit 7	4.43	78.74	209	169
Unit 8	4.46	99.54	200	165
Total	8.89	178.29		
Chandrapur				
Unit 3	0.00	11.53	0	0
Unit 4	0.00	25.91	0	0
Unit 5	3.93	142.22	234	80
Unit 6	4.83	93.44	250	90
Unit 7	6.30	163.11	290	238
Unit 8	6.87	199.61	338	270
Unit 9	6.79	133.30	355	248
Total	28.72	769.12		
Paras				
Unit 3	0.00	22.81	0	0
Unit 4	3.97	90.36	180	142
Total	3.97	113.18		
Khaparkheda				
Unit 1	0.00	24.46	0	0
Unit 2	0.00	34.67	0	0
Unit 3	2.96	75.58	140	115
Unit 4	3.05	75.66	140	110
Unit 5	6.46	155.33	320	260
Total	12.46	365.70		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	4.02	55.07	187	123
Unit 5	0.00	39.67	0	0
Total	4.02	94.73		
Uran				
All Units	5.61	152.53	250	226
Total	5.61	152.53		
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)	0.32	7.30	17	0
Total	0.32	7.30		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	5.56	76.60	505	40
Stage 4	10.76	99.20	1020	0
Stage 3	3.47	45.60	320	0
Total	19.79	221.40		
Hydro				
KDPH	0.00	4.44	0	0
VTRNA	0.58	6.07	59	0
TILLARI	0.00	5.01	0	0
BHIRA T.R.	0.38	8.78	40	0
SMLHY_PTN	5.80	123.44	256	232
GHATGHAR	1.04	15.32	250	0
Total	7.80	163.05		
Wind				
Total	13.36	665.66	0	0
Total	13.36	665.66		
CPP				
APML(Mus)	49.62	1134.43	0	0
JSWEL(Mus)	12.39	303.79	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	13.04	533.73	0	0
SWPGPL-Mus	6.17	122.27	0	0
Other(Mus)	4.92	129.85	0	0
Total	86.14	2224.07		
SOLAR				
Total	5.26	133.49	0	0
Total	5.26	133.49		
Tata				
Trombay 5	10.31	201.52	459	394
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.37	39.85	64	54
Trombay 7B	1.11	24.21	51	44
Trombay 8	5.32	107.23	225	219
TATA Hydro	5.12	87.33	459	30
Total	23.24	460.13		
AEMIL				
DTPS U-1&2	11.93	253.78	501	494
Total	11.93	253.78		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	98.76	2412.24	MSPGCL Total	131.96	2949.23
			MSPGCL Thml+Gas	104.37	2564.78	Koyna 1,2 & 4 Total	16.32	175.80
			MSPGCL Hydro	27.59	384.45	State Total	271.90	6686.35

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/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	4058	805	240	5103	405	3470	0	0	5879	6084	-695	14367	0	14367	2061	16428	50.04
2	4052	949	240	5241	321	3334	0	0	6021	6080	-614	14362	0	14362	1925	16287	50.04
3	4144	567	230	4941	321	3396	0	0	6197	6174	-519	14313	0	14313	1827	16140	50.00
4	4182	460	241	4883	374	3511	0	0	6257	6410	-442	14736	0	14736	1762	16498	50.02
5	4178	476	230	4884	379	3525	0	0	6436	6460	-413	14835	0	14835	1752	16587	50.02
6	4195	520	250	4965	373	3628	0	0	7088	7229	-486	15709	0	15709	1822	17531	50.01
7	4182	1120	241	5543	318	3740	0	19	7892	7536	-577	16579	0	16579	1905	18484	50.01
8	4195	1775	230	6200	296	3691	0	149	7957	8128	-729	17735	0	17735	2098	19833	50.00
9	4169	1008	240	5417	243	3657	0	384	9079	9014	-1040	17675	0	17675	2404	20079	50.01
10	4243	1126	239	5608	293	3657	0	526	9103	8914	-1263	17735	0	17735	2718	20453	49.93
11	4192	1209	230	5631	289	3619	0	688	8770	8852	-1426	17653	0	17653	2903	20556	49.98
12	4185	1095	239	5519	365	3593	0	739	8397	8125	-1439	16902	0	16902	2971	19873	50.06
13	4108	799	229	5136	340	3596	0	655	8266	8240	-1463	16504	0	16504	2904	19408	50.07
14	4123	738	226	5087	662	3581	0	693	7865	7390	-1359	16054	0	16054	2779	18833	50.03
15	4059	427	226	4712	987	3492	0	610	8161	7809	-1292	16318	0	16318	2811	19129	50.03
16	3964	502	227	4693	1133	3359	0	500	7471	7324	-1181	15828	0	15828	2794	18622	50.04
17	3975	740	226	4941	1113	3570	0	220	7336	7207	-1129	15922	0	15922	2759	18681	49.98
18	4044	1556	227	5827	1103	3667	0	78	6971	6627	-1139	16163	0	16163	2711	18874	50.03
19	4273	2221	237	6731	897	3778	0	4	6561	6440	-1029	16821	0	16821	2683	19504	49.99
20	4335	2429	228	6992	842	3814	0	0	6173	6512	-984	17176	0	17176	2668	19844	50.04
21	4197	2030	228	6455	742	3777	0	0	5609	5819	-890	15903	0	15903	2550	18453	50.02
22	3999	2052	238	6289	601	3631	0	0	5445	5957	-819	15659	0	15659	2417	18076	50.01
23	3887	1745	239	5871	511	3561	0	0	5881	5889	-849	14983	0	14983	2307	17290	50.02
24	3819	1240	230	5289	457	3495	0	0	6359	6284	-841	14684	0	14684	2256	16940	50.05
MUs	98.76	27.59	5.61	131.96	13.36	86.14	0.00	5.26	171.17	170.50	-22.62	384.62	0.00	384.62	57.79	442.40	50.02

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 23/Sep/2021

Position as on 6.30 Hrs of 24/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	24/09/2021	01.44	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.	
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	24/09/2021	11.28	Coal Shortage.	
MSPGCL	Khaparkheda Unit 2	210	12/09/2021	21.59	24/09/2021	10.33	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	
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	Paras Unit 3	250	21/09/2021	21.30		Continued.	Turbine bearing Vabration high	
IPP	RPL(AMT) U-3	270	22/09/2021	03.54		Continued.	Coal Shortage	
IPP	RPL(AMT) U-5	270	23/09/2021	00.44		Continued.	Bottom Ash Prob.(conv. to coal shortage 18.00hrs,28.09.2021)	
MSPGCL	Koyna STG-IV Unit-4	250	24/09/2021	17.30	24/09/2021	21.00	Rotor earth fault.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Sep/2021

Statement-VII

Position as on 6.30 Hrs of 24/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/Trippings							
Chandrapur - Padghe Hvdc Pole 1	IntraState	23/09/2021	22.29	24/09/2021	00.54	EO	Work AT PADGHE End.
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 Khandwa I	InterState	23/09/2021	22.36	23/09/2021	23.03	T	Distance Protection
Khadka-Aurangabad (Waluj)	IntraState	21/09/2021	19.16	23/09/2021	08.29	HT	Over Voltage
Pune(GIS)-A'bad(Waluj) Ckt 2	IntraState	23/09/2021	08.55	23/09/2021	19.34	PO	Work at PGCL end PUNE.
Padghe - Nagothane - I	IntraState	23/09/2021	10.37	23/09/2021	22.26	EO	For shifting of 400 kv NGTN-Padghe I on TBC on dt.23.09.21.
Jaigad-Karad Ckt-II	IntraState	23/09/2021	10.55	23/09/2021	17.36	PO	For additional earthing.
Bhusawal-Aurangabad	IntraState	23/09/2021	20.37	24/09/2021	07.27	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	24/09/2021	20.22		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 500 Mva Ict 1 @ CHANDRAPUR 2	IntraState	07/09/2021	20.23		Continued.	T	Differential protection.
Ict Spare Single Unit 167 Mva Ict @Jejuri	IntraState	23/09/2021	10.28	23/09/2021	18.27	PO	For confirmation of HV bushing Tan Delta value and CTR repair work.
400/220KV 315MVA ICT-II @Akola (M)	IntraState	24/09/2021	10.02	24/09/2021	13.51	PO	Routine maintenance & Diagnostic testing work.
220 KV LINE Outages/Trippings							
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)
EKLAHARE (OCR) Nasik Navsari II	InterState	24/09/2021	09.58	24/09/2021	20.53	PO	Line work:For replacement of old disk insulator by porcelain long rod, Diagnostic testing,broken/flash over string replacement found during monkey patrolling, signature analysis, TLS fixing if issued.
A'bad(PG)-Shendra Ckt II	InterState	24/09/2021	11.22	24/09/2021	17.13	PO	Diagnostic testing work. CBT,CRM,TAN D
PARLY (PG) - OSMANABAD	InterState	24/09/2021	19.15	24/09/2021	20.16	HT	Line opening due to O/D at low frequency.
Uran - Kharghar I	IntraState	20/09/2021	15.24		Continued.	PO	Cable charging and connection (RFC 02.15)
Trombay-Salsette II	IntraState	22/09/2021	23.47	23/09/2021	04.00	PO	Metro work in vicinity.
Phulambri-Bhokardan	IntraState	23/09/2021	05.36	23/09/2021	05.38	T	R PH, Z1, 2.23KA,23 KM. CKT Tripped at end only.
Chandrapur GCR - Cpurrytss1	IntraState	23/09/2021	09.22	23/09/2021	23.07	PO	Diagnostic Testing Work & Routine maintenance work.
Ambazari-Kalmeshwar	IntraState	23/09/2021	09.58	23/09/2021	16.32	PO	For replacement of flashed over string various locations.
Bhugaon-Ugml	IntraState	23/09/2021	10.25	23/09/2021	17.42	PO	Measurement of Tan Delta & IR Value of CT & IR Value of PT Measurement of CB TIMING, CRM.
Versova Gorai Line	IntraState	23/09/2021	10.58	23/09/2021	15.11	EO	Attending and rectification of hotspot (160 dec) on R-ph LA termination at CTT tower LS 303A.
Abhijeet-Wardha-Ii	IntraState	23/09/2021	12.21	23/09/2021	13.01	T	Distance Protection
Kalmeshwar-Kalmeshwar Rly Tss 1	IntraState	23/09/2021	14.33	24/09/2021	19.29	EO	For Replacement of drop Jumpers of DPI/S5 & S3 at RAILWAY TSS end, which was damaged due to lightning. As per their letter DTD 23.09.2021.
Trombay-Salsette II	IntraState	23/09/2021	23.47	23/09/2021	04.00	PO	Metro Work In Vicinity.

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 23/Sep/2021

Statement-VII

Position as on 6.30 Hrs of 24/Sep/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Devgaon - Rangari	IntraState	24/09/2021	10.44	24/09/2021	14.38	PO	Routine maintenance & Diagnostic testing work.
Umred-Kanhan 2	IntraState	24/09/2021	17.07	24/09/2021	17.34	T	B/UP,Y-B PH,2.18KA,
Bhugaon- Wardha	IntraState	24/09/2021	18.39	24/09/2021	20.17	HT	Line opening due to O/D at low frequency.
Parli 3 (Old Gcr)-Girwali Ckt 2	IntraState	24/09/2021	18.39	24/09/2021	20.17	HT	Line opening due to O/D at low frequency.
Pusad-WardhaPG(Deoli)	IntraState	24/09/2021	19.11	24/09/2021	20.06	HT	Line opening due to O/D at low frequency.
220 KV ICT Outages/Trippings							
220/132 KV 100MVA ICT-II @ Walchandnagar	IntraState	23/09/2021	10.10	23/09/2021	17.05	PO	OLTC Overhauling Work.
220/132 KV 200 MVA ICT- I @ Nanded	IntraState	23/09/2021	10.34	23/09/2021	12.25	PO	For CTR Fire Survival cable Inspection/Replacement by M/S CTR PUNE.
220/132 Kv 100 Mva Ict 1 @Tuljapur	IntraState	24/09/2021	15.40	24/09/2021	16.09	EO	PRV Relay testing, TNC Switch replacement.
220/66 Kv 150 Mva Emco Ict 2 @Gadchandur	IntraState	24/09/2021	16.48	24/09/2021	19.32	EO	For replacement of differential relay having display problem.
110 KV LINE Outages/Trippings							
Tata Borivli MSETCL Borivli 2	IntraState	23/09/2021	09.55	23/09/2021	17.44	PO	For 3rd party work in vicinity.

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