

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Sep/2021 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	107.875	2956.343	1) Gujrat	-8.216	-263.925
2) Hydro	13.975	481.571	2) Madhya Pradesh	5.088	201.324
3) Gas	4.613	179.026	3) Chattisgarh	4.780	139.360
Total MSPGCL	126.463	3616.940	4) Maharashtra	135.741	4104.901
B) 1) APML	45.683	1368.772	5) Goa (Amona)	-1.506	-30.337
2) JSWEL	15.930	373.152	Total	135.887	4151.323
3) VIPL	0.000	0.000	a) Mumbai Schedule	25.683	697.846
4) RPL(AMT)	17.314	625.171	b) Mumbai Drawl	27.835	664.708
5) SWPGPL	5.764	152.212	c) MSEDCL Bilateral *	37.022	1233.244
6) Other IPP	4.705	154.678	Include PX	8.449	423.770
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	25.683	697.846
C) 1) TPCL Thermal	14.302	385.508	Include PX	7.737	238.922
2) TPCL Hydro	3.885	108.330	Standby	0.000	0.000
3) TPCL Gas	2.148	76.905	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.111	309.194	1) MSEDCL	365.032	10687.052
D) STATE			2) Mumbai Discoms	57.279	1544.644
1) Thermal	220.684	6325.030	TOTAL STATE	422.311	12231.696
(A1+C1+C4+(B1-B6))					
2) Hydro (A2+C2)	17.860	589.901			
3) Gas (A3+B7+C3)	6.761	255.931			
4) Wind	38.457	753.038			
6) SOLAR	2.664	156.474			
TOTAL STATE	286.426	8080.374			

* 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 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	4719	4158	4937	4637
MSPGCL Hydro	601	359	1324	319
MSPGCL Gas	219	198	191	189
MSPGCL Total Generation	5539	4715	6452	5145
Central Sector Receipt	7380	6548	5205	4613
WIND	1350	1875	1983	1124
CPP / IPP Thermal	3756	3491	4081	3750
CPP / IPP Gas	0	0	0	0
SOLAR	284	442	0	0
Exchange with Mumbai	-1278	-1540	-1111	-965
MSEDCL DEMAND MET	17031	15531	16610	13667
Load Shedding	0	0	0	0
MSEDCL DEMAND	17031	15531	16610	13667
TPCL GENERATION	988	996	1131	511
AEML GENERATION	496	397	398	283
MUMBAI DEMAND	2762	2933	2640	1759
STATE DEMAND MET	19793	18464	19250	15426
STATE DEMAND	19793	18464	19250	15426
Frequency (Hz)	50.01	50.00	49.99	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 13.07 Hrs	49.87 Hz at 12.17 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 28/Sep/2021

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.47	61.02	170	105
Unit 7	0.00	0.00	0	0
Unit 8	9.72	224.23	444	366
Unit 9	9.11	142.99	430	325
Unit 10	7.11	246.63	330	0
Total	29.42	674.87		
Bhusawal				
Unit 3	0.00	17.05	0	0
Unit 4	8.48	237.84	415	280
Unit 5	8.26	179.35	395	275
Total	16.74	434.24		
Parli				
Unit 6	0.00	0.00	0	0
Unit 7	4.44	100.71	248	162
Unit 8	3.40	120.19	199	0
Total	7.84	220.91		
Chandrapur				
Unit 3	0.00	11.53	0	0
Unit 4	0.00	25.91	0	0
Unit 5	5.94	170.75	275	190
Unit 6	5.65	119.96	270	195
Unit 7	0.00	188.57	0	0
Unit 8	7.24	234.36	394	255
Unit 9	6.88	166.47	360	241
Total	25.70	917.54		
Paras				
Unit 3	3.91	37.39	186	141
Unit 4	0.00	100.09	0	0
Total	3.91	137.48		
Khaparkheda				
Unit 1	2.75	35.11	130	100
Unit 2	2.81	46.60	130	110
Unit 3	3.19	91.38	140	130
Unit 4	3.20	91.07	145	127
Unit 5	8.77	193.80	450	0
Total	20.72	457.96		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.54	73.67	183	119
Unit 5	0.00	39.67	0	0
Total	3.54	113.33		
Uran				
All Units	4.61	179.03	238	141
Total	4.61	179.03		
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)	0.02	7.85	13	0
Total	0.02	7.85		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	3.74	96.26	470	40
Stage 4	1.39	126.70	454	0
Stage 3	1.36	57.45	240	0
Total	6.50	280.42		
Hydro				
KDPH	0.00	4.44	0	0
VTRNA	0.40	8.14	59	0
TILLARI	0.00	7.03	0	0
BHIRA T.R.	0.42	10.64	40	0
SMLHY_PTN	6.66	154.04	293	252
GHATGHAR	0.00	16.86	0	0
Total	7.48	201.15		
Wind				
Total	38.46	753.04	0	0
Total	38.46	753.04		
CPP				
APML(Mus)	45.68	1368.77	0	0
JSWEL(Mus)	15.93	373.15	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	17.31	625.17	0	0
SWPGPL-Mus	5.76	152.21	0	0
Other(Mus)	4.70	154.68	0	0
Total	89.40	2673.98		
SOLAR				
Total	2.66	156.47	0	0
Total	2.66	156.47		
Tata				
Trombay 5	9.39	252.79	480	280
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.18	47.12	52	48
Trombay 7B	0.97	29.78	43	40
Trombay 8	4.91	132.72	226	141
TATA Hydro	3.88	108.33	372	0
Total	20.34	570.74		
AEMIL				
DTPS U-1&2	9.11	309.19	496	283
Total	9.11	309.19		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	107.88	2956.34	MSPGCL Total	126.46	3616.94
			MSPGCL Thml+Gas	112.49	3135.37	Koyna 1,2 & 4 Total	5.14	222.96
			MSPGCL Hydro	13.98	481.57	State Total	286.43	8080.37

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 28/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	4485	322	200	5007	1647	3691	0	0	5004	4955	-1153	14147	0	14147	2069	16216	49.97
2	4486	438	190	5114	1414	3743	0	0	4599	4829	-1034	14066	0	14066	1919	15985	49.98
3	4528	367	200	5095	1405	3767	0	0	4725	4524	-1027	13764	0	13764	1827	15591	50.02
4	4600	324	190	5114	1274	3759	0	0	4719	4517	-974	13690	0	13690	1768	15458	49.99
5	4637	319	189	5145	1124	3750	0	0	4841	4613	-965	13667	0	13667	1759	15426	49.99
6	4709	302	201	5212	1035	3706	0	0	5680	5475	-920	14508	0	14508	1838	16346	49.97
7	4661	353	190	5204	1143	3703	0	7	6420	6172	-838	15391	0	15391	1938	17329	50.03
8	4597	665	191	5453	1285	3682	0	55	6726	6822	-861	16436	0	16436	2144	18580	50.03
9	4657	678	199	5534	1328	3738	0	141	7048	7260	-1043	16958	0	16958	2453	19411	50.00
10	4719	601	219	5539	1350	3756	0	284	7262	7380	-1278	17031	0	17031	2762	19793	50.01
11	4743	437	227	5407	1641	3749	0	366	7339	6880	-1460	16583	0	16583	2951	19534	50.03
12	4500	368	238	5106	1906	3591	0	417	7187	6531	-1486	16065	0	16065	2992	19057	50.02
13	4158	359	198	4715	1875	3491	0	442	6673	6548	-1540	15531	0	15531	2933	18464	50.00
14	4145	382	187	4714	2089	3134	0	319	6411	6004	-1568	14692	0	14692	2750	17442	50.05
15	4382	417	179	4978	2127	3194	0	309	6206	5872	-1582	14898	0	14898	2668	17566	50.00
16	4358	433	189	4980	2150	3276	0	210	5965	5949	-1395	15170	0	15170	2647	17817	49.96
17	4693	635	190	5518	2032	3510	0	92	5799	5572	-1395	15329	0	15329	2620	17949	49.98
18	4874	808	189	5871	1878	3941	0	22	5486	5424	-1286	15850	0	15850	2600	18450	49.99
19	4937	1324	191	6452	1983	4081	0	0	5547	5205	-1111	16610	0	16610	2640	19250	49.99
20	4978	1060	191	6229	1694	4116	0	0	5475	5125	-1024	16140	0	16140	2625	18765	50.03
21	4673	815	192	5680	1614	4004	0	0	5098	5219	-975	15542	0	15542	2533	18075	50.04
22	4139	1141	181	5461	1547	3991	0	0	4931	5017	-993	15023	0	15023	2395	17418	50.05
23	3727	932	141	4800	1459	3989	0	0	5225	4923	-981	14190	0	14190	2276	16466	50.01
24	3489	495	151	4135	1457	4034	0	0	5474	5071	-946	13751	0	13751	2174	15925	50.00
MUs	107.87	13.98	4.61	126.46	38.46	89.40	0.00	2.66	139.84	135.89	-27.83	365.03	0.00	365.03	57.28	422.31	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 28/Sep/2021

Position as on 6.30 Hrs of 29/Sep/2021

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
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 U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
PGPL	PGPL U1	262	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	Uran Unit A0	120	10/09/2021	01.54		Continued.	Turbine bearing Vabration high	
MSPGCL	Chandrapur Unit 4	210	15/09/2021	23.54		Continued.	Poor coal receipt	
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.	
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	Paras Unit 4	250	26/09/2021	07.47		Continued.	Coal Shortage	
MSPGCL	Uran Unit 5	108	26/09/2021	20.23		Continued.	Gas shortage.	
MSPGCL	Chandrapur Unit 7	500	27/09/2021	20.31	29/09/2021	04.11	Feed Station Valve Leakage	
MSPGCL	Parli Unit 8	250	28/09/2021	20.04		Continued.	UAT Problem.	
MSPGCL	Khaparkheda Unit 5	500	28/09/2021	21.32	29/09/2021	02.18	Generator Protection operated	
MSPGCL	Uran Unit 6	108	28/09/2021	22.02	29/09/2021	16.45	Gas shortage	
MSPGCL	Koradi Unit 10	660	28/09/2021	22.46		Continued.	Poor coal receipt	
IPP	RPL(AMT) U-2	270	29/09/2021	01.15		Continued.	Coal Shortage	
MSPGCL	Chandrapur Unit-8	500	29/09/2021	21.59		Continued.	Superheated spray line leakage.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Tripping for 28/Sep/2021

Statement-VII

Position as on 6.30 Hrs of 29/Sep/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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
Akola Wardha I	InterState	29/09/2021	04.59		Continued.	T	Distance Protection
Koradi 2-IEPL	IntraState	26/09/2021	07.00		Continued.	PO	For for height raising work across.
koaradi II - Wardha(PG)	IntraState	26/09/2021	07.29		Continued.	PO	For for height raising work across Samruddhi highway at chainage No.23+650 (tower no 192 & 193)
Khadka-Aurangabad (Waluj)	IntraState	27/09/2021	22.18	28/09/2021	08.57	HT	Over Voltage
Akola II - Akola I Ckt-II	IntraState	28/09/2021	06.18	28/09/2021	11.04	EO	To attend Hot Spot
Khadka-Aurangabad (Waluj)	IntraState	28/09/2021	20.36		Continued.	HT	Over Voltage
Warora -IEPL	IntraState	29/09/2021	07.13	29/09/2021	08.40	T	Distance Protection
Kala Kudus Ckt-I	IntraState	29/09/2021	11.35	29/09/2021	16.14	EO	Attending Hot Spot
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.
400/220/33kv, 500 MVA ICT-I @Khaparkheda	IntraState	29/09/2021	10.59	29/09/2021	19.28	PO	Diagnostic testing of bushing & other routine main. of CT's, CB's isolators.
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)
Tata Borivli MSETCL Borivli 4	IntraState	26/09/2021	20.49		Continued.	PO	for shifting to Spare bay in GIS.
Karad - Vita Ckt- II	IntraState	28/09/2021	09.35	28/09/2021	19.14	PO	Conversion of SSn to DSN work at Loc no. 72.73.90.117.118.145.
Bhugaon - Lloyed Steel	IntraState	28/09/2021	10.36	29/09/2021	06.56	PO	Metering CT,PT installation and Tan Delta Measurement
Kandalgaon - ONGC Panvel	IntraState	28/09/2021	10.44	28/09/2021	17.55	PO	Routine maintenance & emergency tree cutting work at Loc no.520-525. Line signature analyzer test.
TPC Borivali Aarey Line 1	IntraState	28/09/2021	11.04	28/09/2021	11.17	T	Distance Protection
Kalmeshwar-Kalmeshwar Rly Tss 2	IntraState	28/09/2021	12.40	28/09/2021	17.28	PO	Line Maintenance work
Nanded - Parli Ext. Ckt II	IntraState	28/09/2021	14.00	28/09/2021	21.45	PO	Distance Relay replacement
Kandalgaon - Sona Alloys	IntraState	28/09/2021	1415	28/09/2021	15.00	T	Distance Protection
Kharghar-Sonkhar	IntraState	29/09/2021	07.06	29/09/2021	08.50	EO	Attending Hot Spot
Dhamangaon New - Badnera	IntraState	29/09/2021	09.00		Continued.	PO	Replacement of Aux. Isolator of 220KV Dhamangaon Bay
Badnera Tss-Ii	IntraState	29/09/2021	09.40		Continued.	PO	Replacement of Aux. Isolator of 220KV Dhamangaon Bay
Trombay Dharavi 5	IntraState	29/09/2021	10.46	29/09/2021	16.08	PO	Conductor inspection by using line vue in mahal creek.
Kandalgaon - Sona Alloys	IntraState	29/09/2021	10.54	29/09/2021	18.40	PO	Insulator string replacement work.
Pandharpur - Malinagar	IntraState	29/09/2021	11.00	29/09/2021	16.41	PO	Quarterly Maintenance Work
Lamboti - Pandharpur Ii	IntraState	29/09/2021	11.02	29/09/2021	15.57	PO	Quarterly Maintenance Work
Nanded - Parli Ext. Ckt II	IntraState	29/09/2021	12.29	29/09/2021	18.53	PO	Relay testing work
Dondaicha- Shahada	IntraState	29/09/2021	13.25		Continued.	T	Distance Protection
Nanded-Parbhani	IntraState	29/09/2021	13.35	29/09/2021	13.51	T	Bus Bar Protection Operated
Nanded-Ghatodi	IntraState	29/09/2021	13.35	29/09/2021	13.56	T	Bus Bar Protection Operated
satara MIDC- Malharpeth	IntraState	29/09/2021	20.54		Continued.	T	Distance Protection
Trombay Salsette 1 Backbay	IntraState	29/09/2021	23.25		Continued.	PO	Metro-4 work in vicinity.
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 28/Sep/2021

Statement-VII

Position as on 6.30 Hrs of 29/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 Emco ICT-1 @Kurkumbh	IntraState	28/09/2021	09.05	28/09/2021	16.45	PO	OLTC Overhauling work.
220/132 KV 200MVA Vijai ICT-2 @Theur	IntraState	29/09/2021	09.27	29/09/2021	17.36	PO	Replacement of HV R-ph bushing due to oil leakage from tan delta point.
220/132 Kv 200 Mva Bbl Ict 2 @Waghala Nanded	IntraState	29/09/2021	13.35	29/09/2021	13.47	T	Bus Bar Protection Operated
220/132 kV 200 MVA ICT- I @ Nanded	IntraState	29/09/2021	13.35	29/09/2021	13.52	T	Bus Bar Protection Operated
220/132 kV 200 MVA ICT-III @ Nanded	IntraState	29/09/2021	13.35	29/09/2021	13.52	T	Bus Bar Protection Operated

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