

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	84.661	1783.751	1) Gujrat	15.537	291.060
2) Hydro	13.512	357.828	2) Madhya Pradesh	5.538	68.859
3) Gas	6.254	49.035	3) Chattisgarh	3.180	58.500
Total MSPGCL	104.427	2190.614	4) Maharashtra	129.693	2537.135
B) 1) APLM	53.676	1069.301	5) Goa (Amona)	-0.418	-14.784
2) JSWEL	14.730	450.499	Total	153.530	2940.770
3) VIPL	0.000	0.000	a) Mumbai Schedule	26.165	537.445
4) RPL(AMT)	20.461	449.339	b) Mumbai Drawl	31.269	681.349
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	14.309	327.116
6) Other IPP	2.761	59.967	Include PX	1.191	44.177
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	26.165	537.445
C) 1) TPCL Thermal	12.161	279.919	Include PX	14.779	245.357
2) TPCL Hydro	3.821	95.144	Standby	0.000	0.000
3) TPCL Gas	0.000	7.884	H) ENERGY CATERED (MUs)		
4) AEML Thermal	4.621	190.386	1) MSEDCL	334.715	7339.568
D) STATE			2) Mumbai Discoms	51.872	1254.673
1) Thermal	193.071	4283.162	TOTAL STATE	386.587	8594.241
(A1+C1+C4+(B1-B6))					
2) Hydro	17.333	452.972			
(A2+C2)					
3) Gas	6.254	56.919			
(A3+B7+C3)					
4) Wind	10.353	766.896			
6) SOLAR	6.046	93.531			
TOTAL STATE	233.057	5653.480			

* 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 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	3525	3519	3572	3275
MSPGCL Hydro	1233	852	1482	191
MSPGCL Gas	263	252	263	269
MSPGCL Total Generation	5021	4623	5317	3735
Central Sector Receipt	6650	6403	6005	5527
WIND	191	195	923	457
CPP / IPP Thermal	3545	3515	4211	3953
CPP / IPP Gas	0	0	0	0
SOLAR	814	812	0	0
Exchange with Mumbai	-1488	-1546	-1245	-1030
MSEDCL DEMAND MET	14733	14002	15211	12642
Load Shedding	0	0	0	0
MSEDCL DEMAND	14733	14002	15211	12642
TPCL GENERATION	728	665	950	573
AEML GENERATION	191	190	192	193
MUMBAI DEMAND	2407	2401	2387	1796
STATE DEMAND MET	17140	16403	17598	14438
STATE DEMAND	17140	16403	17598	14438
Frequency (Hz)	50.02	50.01	50.04	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 08.03 Hrs	49.79 Hz at 18.29 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/Sep/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	10.19	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	0.00	0	0
Unit 9	6.37	119.22	310	125
Unit 10	6.31	91.51	290	200
Total	12.68	220.92		
Bhusawal				
Unit 3	0.00	2.92	0	0
Unit 4	9.15	209.06	500	300
Unit 5	0.00	0.00	0	0
Total	9.15	211.97		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	85.81	0	0
Unit 7	4.80	106.82	234	187
Unit 8	0.00	0.00	0	0
Total	4.80	192.63		
Chandrapur				
Unit 3	2.60	7.48	123	94
Unit 4	2.71	63.06	120	102
Unit 5	6.09	145.99	282	220
Unit 6	7.12	145.08	310	290
Unit 7	0.00	0.00	0	0
Unit 8	8.16	130.55	386	305
Unit 9	8.32	156.14	384	300
Total	35.00	648.30		
Paras				
Unit 3	3.07	49.96	136	116
Unit 4	0.00	0.00	0	0
Total	3.07	49.96		
Khaparkheda				
Unit 1	0.00	34.17	0	0
Unit 2	0.25	3.77	110	0
Unit 3	3.40	57.94	156	135
Unit 4	3.35	75.99	145	130
Unit 5	5.31	153.95	230	215
Total	12.31	325.82		
Nasik				
Unit 3	3.84	52.62	172	158
Unit 4	3.81	45.82	167	151
Unit 5	0.00	35.72	0	0
Total	7.65	134.16		
Uran				
All Units	6.25	49.04	329	197
Total	6.25	49.04		
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)	1.26	17.16	54	50

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	1.26	17.16		
Koyna				
Stage 1-2	3.76	64.82	555	40
Stage 4	4.95	156.47	620	0
Stage 3	1.86	66.46	160	0
Total	10.56	287.74		
Hydro				
KDPH	0.86	18.41	36	36
VTRNA	0.00	0.00	0	0
TILLARI	0.61	12.86	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.24	8.21	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.35	7.58	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.46	19.07	20	19
GHATGHAR	0.42	3.96	183	0
Total	2.95	70.09		
Wind				
Total	10.35	766.90	0	0
Total	10.35	766.90		
CPP				
APML(Mus)	53.68	1069.30	0	0
JSWEL(Mus)	14.73	450.50	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	20.46	449.34	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	2.76	59.97	0	0
Total	91.63	2029.11		
SOLAR				
Total	6.05	93.53	0	0
Total	6.05	93.53		
Tata				
Trombay 5	7.84	176.58	453	307
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.00	4.66	0	0
Trombay 7B	0.00	3.22	0	0
Trombay 8	4.32	103.34	204	0
TATA Hydro	3.82	95.14	447	57
Total	15.98	382.95		
AEML				
DTPS U-1&2	4.62	190.39	198	189
Total	4.62	190.39		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	84.66	1783.75	MSPGCL Total	104.43	2190.61
			MSPGCL Thml+Gas	90.92	1832.79	Koyna 1,2 & 4 Total	8.71	221.28
			MSPGCL Hydro	13.51	357.83	State Total	233.06	5653.48

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 22/Sep/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	3712	111	197	4020	618	3785	0	0	5815	5792	-1226	12989	0	12989	2103	15092	49.96
2	3610	116	242	3968	623	3785	0	0	5748	5648	-1140	12884	0	12884	1953	14837	50.01
3	3373	146	248	3767	568	3810	0	0	5482	5621	-1114	12652	0	12652	1845	14497	49.95
4	3275	191	269	3735	457	3953	0	0	5560	5527	-1030	12642	0	12642	1796	14438	49.99
5	3356	116	266	3738	415	4006	0	0	5654	5847	-997	13009	0	13009	1775	14784	50.01
6	3442	121	255	3818	290	4093	0	0	6544	6599	-1067	13733	0	13733	1842	15575	50.03
7	3543	111	266	3920	236	4095	0	31	7268	7329	-1083	14528	0	14528	1857	16385	50.04
8	3580	110	267	3957	139	4066	0	208	7648	7546	-1176	14740	0	14740	1936	16676	50.06
9	3545	365	264	4174	142	3760	0	447	7250	7319	-1298	14544	0	14544	2076	16620	50.04
10	3536	1010	254	4800	165	3596	0	659	6719	7061	-1445	14836	0	14836	2228	17064	50.03
11	3525	824	263	4612	166	3564	0	823	6837	6861	-1503	14523	0	14523	2367	16890	50.05
12	3525	1233	263	5021	191	3545	0	814	6496	6650	-1488	14733	0	14733	2407	17140	50.02
13	3519	852	252	4623	195	3515	0	812	6910	6403	-1546	14002	0	14002	2401	16403	50.01
14	3495	643	263	4401	237	3505	0	732	6485	6529	-1541	13863	0	13863	2320	16183	50.04
15	3514	968	261	4743	252	3533	0	688	6108	6387	-1489	14114	0	14114	2273	16387	50.04
16	3481	1088	262	4831	276	3504	0	472	6362	6418	-1484	14017	0	14017	2270	16287	49.99
17	3496	1009	262	4767	379	3583	0	269	6341	6381	-1428	13951	0	13951	2226	16177	50.02
18	3514	490	252	4256	487	3768	0	87	6916	6538	-1389	13747	0	13747	2198	15945	49.98
19	3524	909	263	4696	753	3834	0	4	6879	6529	-1308	14508	0	14508	2273	16781	49.90
20	3572	1482	263	5317	923	4211	0	0	6038	6005	-1245	15211	0	15211	2387	17598	50.04
21	3573	690	252	4515	876	4278	0	0	5954	6066	-1226	14509	0	14509	2382	16891	50.01
22	3647	389	263	4299	734	4158	0	0	6161	6170	-1294	14067	0	14067	2365	16432	50.02
23	3692	259	278	4229	624	3870	0	0	6072	6262	-1372	13613	0	13613	2324	15937	50.03
24	3612	279	329	4220	607	3811	0	0	5971	6042	-1380	13300	0	13300	2268	15568	50.02
MUs	84.66	13.51	6.25	104.43	10.35	91.63	0.00	6.05	153.22	153.53	-31.27	334.72	0.00	334.72	51.87	386.59	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/Sep/2019

Position as on 6.30 Hrs of 23/Sep/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 8	250	04/06/2019	00.00		Continued.	Zero Schedule (converted to AOH from 25/06/2019)	
MSPGCL	Koyana STG- IV Unit - 1	250	18/07/2019	14.30		Continued.	Breaker Air Pressure Problem (Converted for Capital Overhaul from DT.24-07-2019 for 60Days)	
MSPGCL	Chandrapur Unit 7	500	27/07/2019	00.00		Continued.	Annual Overhaul	
MSPGCL	Koradi Unit-8	660	25/08/2019	00.01		Continued.	Annual Overhaul	
MSPGCL	Bhusawal Unit 5	500	25/08/2019	00.13		Continued.	Capital Overhaul	
MSPGCL	Paras Unit 4	250	25/08/2019	00.45		Continued.	Annual Overhaul	
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 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 4	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.	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	
IPP	Dhariwal	300	01/07/2019	00.01		Continued.	No Schedule.	
MSPGCL	Koyana Unit 10	80	05/08/2019	20.05		Continued.	Stator Earth Fault	
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	Uran Unit A0	120	03/09/2019	04.22	22/09/2019	02.54	HP feed water pump fault.	
TPC-G	Trombay 7B	60	03/09/2019	10.42		Continued.	Gas shortage due to fire at ONGC.	
TPC-G	Trombay 7A	120	03/09/2019	10.56		Continued.	Gas shortage due to fire at ONGC.	
MSPGCL	Koradi Unit 6	210	06/09/2019	15.41		Continued.	Zero Schedule	
MSPGCL	Nasik Unit 5	210	12/09/2019	16.20		Continued.	HP control valve problem.(converted to zero schedule from 16/09/2019 at 19:00 hrs.)	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 22/Sep/2019

Position as on 6.30 Hrs of 23/Sep/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Khaparkheda Unit 1	210	13/09/2019	14.05		Continued.	Poor Coal	
AEML	AEML Unit 1	250	19/09/2019	00:37	23/09/2019	17.50	preparatory work prior to carrying out flexible operation study	
IPP	Adani U-1	660	19/09/2019	01.43		Continued.	Due to Low Coal Stock.	
MSPGCL	Parli Unit 6	250	19/09/2019	06.24		Continued.	Poor Coal Receipt.	
IPP	JSW (J) U1	300	20/09/2019	13.17	23/09/2019	01.59	Condenser badly choked	
MSPGCL	Uran Unit B0	120	21/09/2019	19.58	22/09/2019	00.05	Control System Malfunction.	
MSPGCL	Uran Unit 6	108	21/09/2019	20.06	22/09/2019	00.25	Boiler Discrepancy.	
TPC_G	Trombay 8	250	21/09/2019	21.18	22/09/2019	01:13	Loss of fuel	
MSPGCL	Khaparkheda Unit 2	210	22/09/2019	02.16		Continued.	Furnace Pressure High	
MSPGCL	Uran Unit 5	108	22/09/2019	03.16	22/09/2019	21.59	Gas shortage	
MSPGCL	Uran Unit 5	108	23/09/2019	11.40		Continued.	Impedance Prot.Relay	

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

Statement-VII

Position as on 6.30 Hrs of 23/Sep/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV ICT Outages/Trippings							
765/400KV 1500MVA ICT II @ Aurangabad (Ektuni)	IntraState	22/09/2019	10.21	22/09/2019	20.17	PO	Insulation coating work
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 II	InterState	10/09/2019	20.20		Continued.	HT	Over Voltage
Koradi Satpur	InterState	23/09/2019	15.55		Continued.	T	Distance Protection
Chandrapur-II - Nanded ckt II	IntraState	16/09/2019	08:57		Continued.	PO	Replacement of Broken Spacer cum Damper.(RFC at 18:50 hrs)
Koradi-Khaperkheda I	IntraState	20/09/2019	10.15	23/09/2019	16.48	T	Distance Protection(RFC 12.45Hrs)
Khadka-Aurangabad (Waluj)	IntraState	21/09/2019	19.32		Continued.	HT	Over Voltage
Padghe - Kalwa- I	IntraState	22/09/2019	09.41	22/09/2019	18.54	EO	To attend Hot Spot
Karad - Talandge Ckt 1	IntraState	23/09/2019	13.49	23/09/2019	16.27	EO	To attend Hot Spot
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.
400/220 Kv 315 Mva Ict -2 @New Koyna	IntraState	23/09/2019	08.15		Continued.	EO	To attend Hot Spot and Faulty String replacement work
400/220/33 Kv 500 MVA ICT-II @Lonikand 2	IntraState	23/09/2019	13.27	23/09/2019	14.24	EO	To attend Hot Spot
400/220/33kv 315MVA ICT-I @Lonikand	IntraState	23/09/2019	23.21		Continued.	HT	Smoke observed from ICT-I
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/06/2017	00.01		Continued.	PO	No Schedule
Mahalakshmi Amona	InterState	22/09/2019	13.01	22/09/2019	13.44	T	Distance Protection
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
ALEPHATA UTECH SUGAR	IntraState	19/09/2019	19.24	22/09/2019	02.15	T	Distance Protection
Eklahara(Gcr)(Nasik)- Bableshtar-I	IntraState	22/09/2019	04.32	22/09/2019	05.03	T	Tripped On PDR At Nashik End Only.
Butibori-Abhijeet	IntraState	22/09/2019	08.40	22/09/2019	08.55	T	Distance Protection
Ghatghar - Bapgaon	IntraState	22/09/2019	11.45	22/09/2019	12.29	T	Distance Protection
Butibori - Purti	IntraState	22/09/2019	17.24	23/09/2019	04.14	T	Distance Protection
Kamba - Kolshet	IntraState	23/09/2019	04.12	23/09/2019	14.06	T	Distance Protection
Kolshet-Roma	IntraState	23/09/2019	04.12	23/09/2019	05.01	T	Distance Protection
Warora - Wardha	IntraState	23/09/2019	04.19	23/09/2019	04.47	T	Distance Protection
Vita Alkud	IntraState	23/09/2019	10.15	23/09/2019	19.40	PO	Routine Maintenance Work
SIEMENS - RELIANCE GIS	IntraState	23/09/2019	10.23	23/09/2019	17.25	PO	SF6 Gas pressure Alarm
Kolshet-Roma	IntraState	23/09/2019	14.32	23/09/2019	17.00	EO	Replacement of Insulator String
Miraj-Ichalkaranji I	IntraState	23/09/2019	16.21	23/09/2019	21.28	PO	Line Maintenance work
Butibori-Khaperkheda	IntraState	23/09/2019	19.28	23/09/2019	19.49	T	Distance Protection
220 KV ICT Outages/Trippings							
220/132 Kv 150 Mva Cgl Ptr No 7 @Chinchwad	IntraState	23/09/2019	10.25	23/09/2019	18.34	PO	Routine Maintenance Work
220/132 Kv 200 Mva Vijay Ict 1 @Chaligaon	IntraState	23/09/2019	11.20	23/09/2019	15.18	PO	Detecting & Rectifying DC leakage current
132 KV LINE Outages/Trippings							
Boisar li - Viraj	IntraState	22/09/2019	12.05	22/09/2019	13.07	T	Distance Protection

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