

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 29/Sep/2019 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	88.014	2302.987	1) Gujrat	15.549	396.745
2) Hydro	5.798	446.938	2) Madhya Pradesh	10.449	127.718
3) Gas	9.576	102.459	3) Chattisgarh	4.820	91.530
Total MSPGCL	103.388	2852.384	4) Maharashtra	117.736	3480.149
B) 1) APLM	42.580	1385.886	5) Goa (Amona)	-0.308	-17.622
2) JSWEL	20.995	596.871	Total	148.246	4078.520
3) VIPL	0.000	0.000	a) Mumbai Schedule	20.804	726.651
4) RPL(AMT)	20.476	598.829	b) Mumbai Drawl	27.423	907.142
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	21.471	494.940
6) Other IPP	2.948	81.581	Include PX	6.109	114.899
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	20.804	724.176
C) 1) TPCL Thermal	11.882	369.948	Include PX	8.183	340.352
2) TPCL Hydro	0.949	120.173	Standby	0.000	2.475
3) TPCL Gas	4.377	32.645	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.109	253.702	1) MSEDCL	326.972	9646.079
D) STATE			2) Mumbai Discoms	53.738	1683.596
1) Thermal	196.004	5589.804	TOTAL STATE	380.710	11329.675
(A1+C1+C4+(B1-B6))					
2) Hydro	6.747	567.111			
(A2+C2)					
3) Gas	13.953	135.104			
(A3+B7+C3)					
4) Wind	9.285	831.570			
6) SOLAR	6.477	127.580			
TOTAL STATE	232.466	7251.169			

* 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 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	3585	3767	3800	3550
MSPGCL Hydro	456	114	206	110
MSPGCL Gas	412	407	400	416
MSPGCL Total Generation	4453	4288	4406	4076
Central Sector Receipt	6675	6087	6597	5455
WIND	289	473	585	260
CPP / IPP Thermal	3481	3494	4465	3510
CPP / IPP Gas	0	0	0	0
SOLAR	687	592	0	0
Exchange with Mumbai	-1256	-1248	-1176	-866
MSEDCL DEMAND MET	14329	13686	14877	12435
Load Shedding	0	0	0	0
MSEDCL DEMAND	14329	13686	14877	12435
TPCL GENERATION	681	697	885	651
AEML GENERATION	374	374	430	372
MUMBAI DEMAND	2311	2319	2491	1889
STATE DEMAND MET	16640	16005	17368	14324
STATE DEMAND	16640	16005	17368	14324
Frequency (Hz)	50.13	50.09	50.06	50.11

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 13.41 Hrs	49.74 Hz at 17.54 Hrs	50.04	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 29/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	7.80	171.58	400	285
Unit 10	9.44	145.88	420	360
Total	17.24	327.65		
Bhusawal				
Unit 3	0.00	2.92	0	0
Unit 4	9.84	270.02	500	345
Unit 5	0.00	0.00	0	0
Total	9.84	272.94		
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	4.65	139.80	234	187
Unit 8	0.20	0.20	68	0
Total	4.86	225.82		
Chandrapur				
Unit 3	2.73	15.21	145	38
Unit 4	3.34	82.09	155	95
Unit 5	6.02	158.06	300	72
Unit 6	7.96	193.21	365	300
Unit 7	0.00	0.00	0	0
Unit 8	9.00	186.27	430	353
Unit 9	7.37	205.74	360	258
Total	36.42	840.58		
Paras				
Unit 3	4.55	79.02	220	150
Unit 4	0.00	0.00	0	0
Total	4.55	79.02		
Khaparkheda				
Unit 1	0.00	34.17	0	0
Unit 2	0.90	4.67	150	0
Unit 3	4.01	82.99	180	160
Unit 4	3.55	88.46	165	137
Unit 5	0.00	166.44	0	0
Total	8.46	376.72		
Nasik				
Unit 3	0.00	58.13	0	0
Unit 4	3.39	68.38	153	128
Unit 5	3.25	53.74	151	118
Total	6.64	180.25		
Uran				
All Units	9.58	102.46	416	360
Total	9.58	102.46		
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)	1.27	26.04	54	50

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	1.27	26.04		
Koyna				
Stage 1-2	2.15	92.19	455	40
Stage 4	1.20	190.05	502	0
Stage 3	0.58	80.72	80	0
Total	3.93	362.96		
Hydro				
KDPH	0.89	23.77	37	37
VTRNA	0.00	0.00	0	0
TILLARI	0.00	12.86	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.20	9.56	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.34	9.99	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.44	22.20	19	18
GHATGHAR	0.00	5.60	0	0
Total	1.87	83.97		
Wind				
Total	9.28	831.57	0	0
Total	9.28	831.57		
CPP				
APML(Mus)	42.58	1385.89	0	0
JSWEL(Mus)	21.00	596.87	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	20.48	598.83	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	2.95	81.58	0	0
Total	87.00	2663.17		
SOLAR				
Total	6.48	127.58	0	0
Total	6.48	127.58		
Tata				
Trombay 5	7.28	233.23	315	282
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.78	20.62	116	115
Trombay 7B	1.60	12.02	67	65
Trombay 8	4.60	136.72	200	168
TATA Hydro	0.95	120.17	241	5
Total	17.21	522.77		
AEML				
DTPS U-1&2	9.11	253.70	430	372
Total	9.11	253.70		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	88.01	2302.99	MSPGCL Total	103.39	2852.38
			MSPGCL Thml+Gas	97.59	2405.45	Koyna 1,2 & 4 Total	3.35	282.24
			MSPGCL Hydro	5.80	446.94	State Total	232.47	7251.17

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Sep/2019

Annexure-2

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	3416	124	360	3900	416	3526	0	0	5881	5967	-1170	12639	0	12639	2242	14881	50.02
2	3489	114	376	3979	355	3528	0	0	5589	5624	-1018	12468	0	12468	2065	14533	50.02
3	3543	109	406	4058	303	3499	0	0	5465	5446	-931	12375	0	12375	1962	14337	50.07
4	3550	110	416	4076	260	3510	0	0	5289	5455	-866	12435	0	12435	1889	14324	50.11
5	3598	119	405	4122	270	3540	0	0	5418	5711	-834	12809	0	12809	1863	14672	50.03
6	3604	109	406	4119	284	3735	0	0	6224	6239	-892	13485	0	13485	1921	15406	50.00
7	3615	196	406	4217	263	3738	0	24	7142	6803	-914	14131	0	14131	1943	16074	50.04
8	3554	988	404	4946	223	3450	0	157	6786	6622	-974	14424	0	14424	2007	16431	50.03
9	3544	983	411	4938	239	3418	0	410	6461	6590	-1116	14479	0	14479	2153	16632	50.06
10	3585	456	412	4453	289	3481	0	687	6502	6675	-1256	14329	0	14329	2311	16640	50.13
11	3803	192	396	4391	366	3504	0	833	6605	6373	-1330	14137	0	14137	2402	16539	50.10
12	3824	154	387	4365	394	3481	0	855	6432	6382	-1378	14099	0	14099	2447	16546	50.01
13	3633	149	396	4178	427	3341	0	868	6074	6101	-1349	13566	0	13566	2419	15985	50.05
14	3655	150	386	4191	443	3391	0	794	5910	6063	-1292	13590	0	13590	2362	15952	50.14
15	3638	112	396	4146	487	3385	0	713	5831	6160	-1268	13623	0	13623	2338	15961	50.08
16	3767	114	407	4288	473	3494	0	592	5888	6087	-1248	13686	0	13686	2319	16005	50.09
17	3751	110	386	4247	543	3442	0	350	6184	6020	-1207	13395	0	13395	2276	15671	49.95
18	3699	163	397	4259	615	3525	0	171	6279	6224	-1174	13620	0	13620	2257	15877	49.88
19	3756	255	400	4411	569	4176	0	23	6412	6457	-1166	14470	0	14470	2379	16849	49.96
20	3800	206	400	4406	585	4465	0	0	6916	6597	-1176	14877	0	14877	2491	17368	50.06
21	3834	255	412	4501	464	4227	0	0	6060	6199	-1163	14228	0	14228	2469	16697	50.03
22	3805	360	393	4558	318	3820	0	0	5971	6190	-1117	13769	0	13769	2445	16214	50.06
23	3750	160	403	4313	362	3747	0	0	6264	6206	-1293	13335	0	13335	2412	15747	50.04
24	3801	110	415	4326	337	3576	0	0	5883	6055	-1291	13003	0	13003	2368	15371	50.03
MUs	88.01	5.80	9.58	103.39	9.28	87.00	0.00	6.48	147.47	148.25	-27.42	326.97	0.00	326.97	53.74	380.71	50.04

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 29/Sep/2019

Position as on 6.30 Hrs of 30/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	29/09/2019	19.30	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 U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	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	Koradi Unit 6	210	06/09/2019	15.41		Continued.	Zero Schedule	
MSPGCL	Khaparkheda Unit 1	210	13/09/2019	14.05		Continued.	Poor Coal	
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.	
MSPGCL	Khaparkheda Unit 2	210	22/09/2019	02.16	29/09/2019	13.12	Furnace Pressure High	
MSPGCL	Chandrapur Unit 5	500	24/09/2019	00.00	29/09/2019	00.09	Poor Coal Receipt	
MSPGCL	Nasik Unit 3	210	24/09/2019	13.45		Continued.	poor coal Receipt.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 29/Sep/2019

Position as on 6.30 Hrs of 30/Sep/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Khaparkhedda Unit 5	500	25/09/2019	09.34		Continued.	Poor Coal Receipt	
MSPGCL	Uran Unit B0	120	28/09/2019	00.11	29/09/2019	01.50	Gas shortage	
IPP	Adani U-2	660	30/09/2019	05.37		Continued.	Coal Shortage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Sep/2019

Statement-VII

Position as on 6.30 Hrs of 30/Sep/2019

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 2	IntraState	24/09/2019	17.43		Continued.	PO	Tower Height Rise work
Chandrapur - Padghe Hvdc Pole 1	IntraState	24/09/2019	17.56		Continued.	PO	Tower Height Rise 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 I	InterState	26/09/2019	22.49		Continued.	HT	Over Voltage
Chandrapur-II - Nanded ckt II	IntraState	16/09/2019	08:57		Continued.	PO	Replacement of Broken Spacer cum Damper (RFC at 18:50 hrs)
Khadka-Aurangabad (Waluj)	IntraState	24/09/2019	18.12		Continued.	HT	Over Voltage
Chandrapur - Khaperkheda	IntraState	26/09/2019	01.05		Continued.	T	Over Voltage
Karad-Jaigad - I	IntraState	28/09/2019	22.16		Continued.	HT	Over Voltage
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.
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/06/2017	00.01		Continued.	PO	No Schedule
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	T	Distance Protection
Borivali - Tarapur	InterState	29/09/2019	00.55	29/09/2019	14.12	T	Distance Protection
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Gangapur-Valve	IntraState	28/09/2019	09.52	29/09/2019	15.12	T	Y phase LA Burst at Gangapur end
Kalwa Salsette III	IntraState	29/09/2019	07.30	29/09/2019	17.09	PO	CVT Replacement.
BHUGAON WARORA CKT-II	IntraState	29/09/2019	15.49	29/09/2019	19.57	T	Distance Protection
220 KV ICT Outages/Trippings							
220/22-22 KV 100 MVA PTR 3 @ PAL-DOMBIVALI	IntraState	29/09/2019	14.40	29/09/2019	17.50	EO	To Attend R PH Bushing Oil Leakage.

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