

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 09/Sep/2017 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	110.761	979.592	1) Gujrat	1.476	20.896
2) Hydro	27.991	173.717	2) Madhya Pradesh	14.677	159.964
3) Gas	6.989	49.032	3) Chattisgarh	5.750	51.890
Total MSPGCL	145.741	1202.341	4) Maharashtra Net	92.727	888.953
B) 1) APLM	44.362	398.473	5) Goa (Amona)	-0.132	-0.704
2) JSWEL	13.866	146.527	Total	114.498	1120.999
3) VIPL	7.481	67.326	a) Mumbai Schedule	20.423	186.358
4) RPL(AMT)	31.594	236.678	b) Mumbai Drawl	24.308	219.176
5) WPCL	2.233	22.847	c) MSEDCL Bilateral *	11.327	173.771
6) PGPL	0.000	0.000	Include PX	0.135	33.098
7) Other IPP	2.497	27.584	d) Mumbai Bilateral *	20.423	186.058
C) 1) TPCL Thermal	17.321	147.370	Include PX	5.709	45.142
2) TPCL Hydro	4.931	47.860	Include Standby	0.000	0.300
3) TPCL Gas	2.577	19.220	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	12.009	101.817	1) MSEDCL	342.055	3105.792
D) STATE			2) Mumbai Discoms	61.146	535.443
1) Thermal	242.124	2128.214	TOTAL STATE	403.201	3641.235
(A1+C1+C4+(B1-B6))					
2) Hydro	32.922	221.577			
(A2+C2)					
3) Gas	9.566	68.252			
(A3+B6+C3)					
4) Wind	2.304	84.062			
6) SOLAR	1.787	18.131			
TOTAL STATE	288.703	2520.236			

* 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	4670	4700	4575	4813
MSPGCL Hydro	1184	1085	1433	290
MSPGCL Gas	285	273	298	291
MSPGCL Total Generation	6139	6058	6306	5394
Central Sector Receipt	5077	5065	4904	4125
WIND	33	41	153	85
CPP / IPP Thermal	4289	4297	4130	4285
CPP / IPP Gas	0	0	0	0
SOLAR	281	254	0	0
Exchange with Mumbai	-1289	-1269	-1087	-652
MSEDCL DEMAND MET	14530	14446	14406	13237
Load Shedding	323	443	525	0
MSEDCL DEMAND	14853	14889	14931	13237
TPCL GENERATION	1211	1181	1276	817
R-INFRA GENERATION	501	501	501	499
MUMBAI DEMAND	3001	2951	2864	1968
STATE DEMAND MET	17531	17397	17270	15205
STATE DEMAND	17854	17840	17795	15205
Frequency (Hz)	50.02	50.01	49.81	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.09 Hz at 06.02 Hrs	49.72 Hz at 19.30 Hrs	49.98	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 09/Sep/2017

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	3.71	27.10	165	137
Unit 8	10.96	106.84	540	337
Unit 9	0.00	69.47	0	0
Unit 10	10.63	43.40	531	330
Total	25.30	246.80		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	7.58	59.22	350	300
Unit 5	7.52	80.70	350	300
Total	15.10	139.92		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.34	41.98	190	169
Unit 7	4.23	40.29	191	166
Unit 8	0.00	0.00	0	0
Total	8.57	82.28		
Chandrapur				
Unit 3	4.09	36.55	197	161
Unit 4	0.00	0.00	0	0
Unit 5	8.73	47.48	395	345
Unit 6	1.50	66.75	357	0
Unit 7	8.77	22.71	392	350
Unit 8	9.39	98.48	489	356
Unit 9	7.68	17.81	422	0
Total	40.16	289.79		
Paras				
Unit 3	4.23	38.55	190	160
Unit 4	4.07	38.29	182	160
Total	8.30	76.84		
Khaparkheda				
Unit 1	0.00	24.14	0	0
Unit 2	1.97	27.40	115	50
Unit 3	3.50	29.08	150	140
Unit 4	0.00	0.00	0	0
Unit 5	0.00	7.68	0	0
Total	5.46	88.29		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.92	39.08	170	159
Unit 5	3.93	16.59	170	160
Total	7.85	55.67		
Uran				
All Units	6.99	49.03	343	270
Total	6.99	49.03		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.02	0.64	13	0
Total	0.02	0.64		
Koyna				
Stage 1-2	8.60	47.72	545	40
Stage 4	13.16	82.07	962	0
Stage 3	5.46	29.33	240	140
Total	27.22	159.13		
Hydro				
KDPH	0.00	2.44	0	0
VTRNA	0.00	3.80	0	0
TILLARI	0.00	0.41	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.40	3.05	80	0
RNGR+BHTSA	0.23	1.76	15	0
BHANDARDRA	0.00	1.30	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.13	1.83	6	5
GHATGHAR	0.00	0.00	0	0
Total	0.77	14.59		
Wind				
Total	2.30	84.06	0	0
Total	2.30	84.06		
CPP				
APML(Mus)	44.36	398.47	0	0
JSWEL(Mus)	13.87	146.53	0	0
VIPL(Mus)	7.48	67.33	0	0
RPLAMT(Mus)	31.59	236.68	0	0
WPCL(Mus)	2.23	22.85	0	0
Other(Mus)	2.50	27.58	0	0
Total	102.03	899.44		
SOLAR				
Total	1.79	18.13	0	0
Total	1.79	18.13		
Tata				
Trombay 5	11.49	96.90	490	454
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.44	10.57	72	56
Trombay 7B	1.14	8.65	53	44
Trombay 8	5.84	50.48	249	234
TATA Hydro	4.93	47.86	452	6
Total	24.83	214.45		
R-INFRA				
DTPS U-1&2	12.01	101.82	501	499
Total	12.01	101.82		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	110.76	979.59	MSPGCL Total	145.74	1202.34
			MSPGCL Thml+Gas	117.75	1028.62	Koyna 1,2 & 4 Total	21.76	129.80
			MSPGCL Hydro	27.99	173.72	State Total	288.70	2520.24

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 09/Sep/2017

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS										
1	4686	980	281	5947	120	4259	0	0	4383	4072	-993	13405	0	13405	2323	15728	50.03
2	4739	913	293	5945	158	4280	0	0	4260	3897	-846	13434	0	13434	2172	15606	49.96
3	4771	591	281	5643	99	4283	0	0	4149	3920	-751	13194	0	13194	2046	15240	49.97
4	4813	290	291	5394	85	4285	0	0	4088	4125	-652	13237	0	13237	1968	15205	50.00
5	4763	317	282	5362	94	4296	0	0	4324	4247	-616	13383	0	13383	1933	15316	50.02
6	4627	927	281	5835	71	4276	0	0	4399	4565	-702	14045	0	14045	2021	16066	50.03
7	4574	1412	292	6278	59	4263	0	6	4731	4944	-742	14808	0	14808	2073	16881	50.06
8	4647	1540	281	6468	40	4283	0	46	4920	5265	-829	15273	0	15273	2188	17461	50.03
9	4632	1585	291	6508	34	4309	0	108	5056	5122	-1025	15056	0	15056	2377	17433	50.00
10	4645	1272	279	6196	34	4310	0	202	5170	4994	-1326	14410	29	14439	2732	17171	49.96
11	4664	1025	278	5967	39	4301	0	208	5244	5392	-1222	14685	107	14792	2867	17659	50.03
12	4670	1184	285	6139	33	4289	0	281	5020	5077	-1289	14530	323	14853	3001	17854	50.02
13	4700	1085	273	6058	41	4297	0	254	4997	5065	-1269	14446	443	14889	2951	17840	50.01
14	4751	901	272	5924	54	4310	0	246	4969	4979	-1279	14234	417	14651	2838	17489	49.98
15	4649	1278	270	6197	142	4309	0	207	4967	4969	-1226	14598	281	14879	2898	17777	49.93
16	4375	1453	272	6100	99	4301	0	141	5013	5249	-1193	14697	210	14907	2863	17770	49.95
17	4318	1452	273	6043	121	4303	0	67	5074	5113	-1182	14465	229	14694	2856	17550	49.96
18	4281	1334	273	5888	179	4297	0	20	4940	4868	-1100	14152	413	14565	2818	17383	50.00
19	4473	1231	289	5993	280	4161	0	1	5036	5242	-1083	14594	347	14941	2794	17735	50.03
20	4575	1433	298	6306	153	4130	0	0	5071	4904	-1087	14406	525	14931	2864	17795	49.81
21	4676	1299	333	6308	103	4131	0	0	4772	4877	-984	14435	381	14816	2740	17556	50.01
22	4640	1528	337	6505	89	4128	0	0	4521	4683	-972	14433	172	14605	2688	17293	49.92
23	4570	1498	343	6411	142	4120	0	0	4511	4477	-958	14192	24	14216	2588	16804	49.95
24	4522	1463	341	6326	35	4112	0	0	4513	4451	-982	13942	0	13942	2547	16489	49.92
MUs	110.76	27.99	6.99	145.74	2.30	102.03	0.00	1.79	114.13	114.50	-24.31	342.05	3.90	345.95	61.15	407.10	49.98

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 09/Sep/2017

Position as on 6.30 Hrs of 10/Sep/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown.	
CENT.SECTOR	TARAPUR 4	540	23/04/2017	19:55		Continued.	Annual Maintenance	
CENT.SECTOR	Tarapur 1	160	04/06/2017	19.09		Continued.	3 months outage for refuelling.	
CENT.SECTOR	TARAPUR-3	540	11/07/2017	16.30		Continued.	Reactor Inspection Work	
MSPGCL	Khaparkheda Unit 4	210	13/07/2017	03.36		Continued.	Drum level low. on Dated 14.07.2017 converted to zero schedule. Converted into COH from 00:00Hrs of 02.08.2017	
MSPGCL	Nasik Unit 3	210	10/08/2017	00.00		Continued.	Withdrawn for maintenance work. Converted to COH from 15.08.2017.	
MSPGCL	Chandrapur Unit 4	210	22/08/2017	23.56		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	SWPGL U-2	135	29/02/2016	21.46		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	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Shutdown	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
RGPPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	ID Fan problem, Converted to Zero Schedule By MSEDCL from 00.00hrs/22-9-16. Shutdown taken on 18.10.2016 at 00:00Hrs for Turbine inspection and maintenance work	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
IPP	JSW (J) U2	300	31/05/2017	23.58		Continued.	NO SCHEDULE.	
IPP	Dhariwal	300	01/06/2017	00.01		Continued.	NO SCHEDULE.	
IPP	VIPL U-1	300	13/06/2017	08.30		Continued.	GT WORK	
MSPGCL	Parli Unit 8	250	17/06/2017	00.08		Continued.	Zero Schedule by MSEDCL, scheduled issued on 08.08.2017 but synchronization delayed.	
MSPGCL	Ghatghar Unit-2	125	28/07/2017	00.00		Continued.	due to common pressure shaft with unit 1.	
MSPGCL	Ghatghar Unit-1	125	28/07/2017	00.00		Continued.	RBDV leakage attending work.	

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 09/Sep/2017

Position as on 6.30 Hrs of 10/Sep/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	Adani U-2	660	11/08/2017	16.49		Continued.	Furnace Pressure High	
CPP	SWPGL U-3	135	26/08/2017	17.40		Continued.	Boiler Tube Leakage	
MSPGCL	Bhusawal Unit 3	210	27/08/2017	07.43		Continued.	Low furnace pressure	
MSPGCL	Khaparkheda Unit 5	500	01/09/2017	18.29		Continued.	Due to shaft vibration High.	
MSPGCL	Uran Unit B0	120	06/09/2017	11.29	10/09/2017	01.07	D.C. Supply Fail	
MSPGCL	Uran Unit 7	108	06/09/2017	11.29	09/09/2017	17.44	D.C. Supply Fail	
IPP	Adani U-4	660	06/09/2017	21.47		Continued.	Changeover from U-4 to U1	
MSPGCL	Koradi Unit 9	660	07/09/2017	00.38		Continued.	Air heater problem	
MSPGCL	Khaparkheda Unit 1	210	08/09/2017	12.23		Continued.	Coal Shortage	
MSPGCL	Chandrapur Unit 9	500	08/09/2017	15.26	09/09/2017	01.40	Due To IP Turbine Control Valve Problem	
MSPGCL	Koyna STG-IV Unit-4	250	08/09/2017	21.05	09/09/2017	22.40	Due To Spherical Valve Control Fault	
IPP	JSW (J) U3	300	09/09/2017	00.43		Continued.	Cooling Water Leakage	
MSPGCL	Chandrapur Unit 6	500	09/09/2017	04.40		Continued.	Boiler Tube Leakage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Sep/2017

Statement-VII

Position as on 6.30 Hrs of 10/Sep/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Ektuni-Akola II Ckt 2	IntraState	10/09/2017	14.31	10/09/2017	16.33	T	Distance Protection
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 Sar'Sarovar II	InterState	08/09/2017	19.46	09/09/2017	06.40	HT	Over Voltage
Chandrapur Bhadravati III	InterState	09/09/2017	09.17	09/09/2017	10.11	T	tripped dt received.
Dhule Sar'Sarovar II	InterState	09/09/2017	21.20	10/09/2017	07.06	HT	Over Voltage
Dhule Khandwa I	InterState	10/09/2017	09.19		Continued.	PO	Work at Khandwa end
Dhule Sar'Sarovar II	InterState	10/09/2017	20.53		Continued.	T	Distance Protection
Ektuni-Bableswhar ckt II	IntraState	26/08/2017	20.35	09/09/2017	06.51	HT	To control load on PDG-BBLR.
Karad-Jaigad - I	IntraState	08/09/2017	00.47		Continued.	HT	Over Voltage
Koradi-Bhusawal	IntraState	08/09/2017	11.51	09/09/2017	17.09	PO	Relay Retrofitting Work, Testing Work
Ektuni-Bableswhar ckt I	IntraState	09/09/2017	06.56		Continued.	HT	to control load pdg-bblr.
karad -kolhapur-II	IntraState	09/09/2017	17.21		Continued.	HT	Over Voltage
Babhaleswhar - Padghe-II	IntraState	09/09/2017	20.05	10/09/2017	09.38	T	Distance Protection
Akola - Bhusawal	IntraState	10/09/2017	10.25	10/09/2017	12.31	PO	Tan Delta Measurement of CTs
400 KV ICT Outages/Trippings							
400/220KV 500MVA ICT1@koradi 2	IntraState	10/08/2017	11.39		Continued.	PO	Attend defects observed in OLTC of ICT 1.
400/220kv, 500 Mva ICT-1 @Deepnagar	IntraState	09/09/2017	09.40	09/09/2017	19.24	PO	diagnostic testing work.
400/220/33 Kv 315 Mva Ict 1 @Dhule	IntraState	10/09/2017	12.09	10/09/2017	13.39	PO	Oil Sample for DGA
400/220 Kv 500 MVA ICT 3 @Kolhapur	IntraState	10/09/2017	17.24	10/09/2017	19.21	T	NDR Operated
400/220KV 500MVA ICT-I @Nanded	IntraState	10/09/2017	21.01		Continued.	T	Bucholz Protection Optd
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/06/2017	00.01		Continued.	PO	NO SCHEDULE.
Mudshingi - Chikodi	InterState	01/06/2017	00.06		Continued.	PO	NO SCHEDULE.
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumper at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Chandrapur GCR - Wani	IntraState	05/04/2015	09.15		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumper at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Bus section @ Kalwa	IntraState	09/09/2017	06.15	09/09/2017	07.21	EO	Attending Hot Spot
Ghatghar - Bapgaon	IntraState	09/09/2017	07.03		Continued.	PO	765kv padgha-a'bad line crossing work.
Nashik-Airoli Knowledge Park	IntraState	09/09/2017	07.17		Continued.	PO	765kv padgha-a'bad line crossing work.
Eklahara(Gcr)(Nasik)- Bableswhar 2	IntraState	09/09/2017	08.11	09/09/2017	19.19	PO	replacement of r y bph ct replacement.
Bableswhar- Bableswhar-I	IntraState	09/09/2017	09.15	09/09/2017	10.20	PO	Testing Work
Phursungi-Serum	IntraState	09/09/2017	10.13	09/09/2017	17.14	PO	Half yearly maintenance work
Khadka-Chalisgaon-1	IntraState	10/09/2017	13.13	10/09/2017	16.05	T	Distance Protection
Tilawani-Talandge-I	IntraState	10/09/2017	17.49	10/09/2017	23.45	T	Distance Protection
Kandalgaon - Koyna	IntraState	10/09/2017	18.40		Continued.	T	Distance Protection
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Failed on internal Fault(Now repaired and ready for commissioning)

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/Tripping for 09/Sep/2017

Statement-VII

Position as on 6.30 Hrs of 10/Sep/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/132 Kv 150 Mva Emco Ict 1 @Ambazari	IntraState	06/09/2017	08.41		Continued.	PO	Augmentation of 200 MVA 220/132KV ICT
220/33 Kv 100 Mva Cgl Ptr 3 @Jamde	IntraState	09/09/2017	10.05	09/09/2017	16.21	PO	attending red hot on lv ct of all three ph and red hot on 33kv bus section.
220/132kv 100 Mva Imp Ict 2 @Limbala Midc Hingoli	IntraState	10/09/2017	11.40	10/09/2017	12.51	PO	Tan Delta Measurment of CTs
132 KV LINE Outages/Tripping							
Harangul - Nilanga	IntraState	09/09/2017	03.17	09/09/2017	03.28	T	Distance Protection
Dondaicha-Nandurbar	IntraState	09/09/2017	10.30	09/09/2017	12.21	T	To attend red hot.
Elichpur - Hingoli	IntraState	09/09/2017	13.02	09/09/2017	13.18	T	Distance Protection
Dondaicha-Nandurbar	IntraState	09/09/2017	13.33	10/09/2017	09.17	T	Distance Protection

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