

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 27/Sep/2017 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	105.129	2825.294	1) Gujrat	0.971	25.160
2) Hydro	13.195	385.087	2) Madhya Pradesh	14.581	379.324
3) Gas	6.323	198.326	3) Chattisgarh	5.890	164.310
Total MSPGCL	124.647	3408.707	4) Maharashtra Net	104.892	2545.440
B) 1) APML	61.314	1300.507	5) Goa (Amona)	0.000	-2.860
2) JSWEL	27.511	560.343	Total	126.334	3111.374
3) VIPL	7.485	190.994	a) Mumbai Schedule	30.364	611.918
4) RPL(AMT)	20.129	598.174	b) Mumbai Drawl	32.814	743.259
5) WPCL	3.192	64.362	c) MSEDCL Bilateral *	19.617	483.781
6) PGPL	0.000	0.000	Include PX	1.031	41.058
7) Other IPP	3.525	73.663	d) Mumbai Bilateral *	30.124	608.208
C) 1) TPCL Thermal	16.365	428.312	Include PX	6.412	115.798
2) TPCL Hydro	6.016	115.721	Include Standby	0.240	3.710
3) TPCL Gas	3.438	71.314	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	5.783	263.209	1) MSEDCL	349.897	8930.412
D) STATE			2) Mumbai Discoms	64.416	1621.821
1) Thermal	250.433	6304.858	TOTAL STATE	414.313	10552.233
(A1+C1+C4+(B1-B6))					
2) Hydro	19.211	500.808			
(A2+C2)					
3) Gas	9.761	269.640			
(A3+B6+C3)					
4) Wind	6.237	311.809			
6) SOLAR	2.337	53.738			
TOTAL STATE	287.979	7440.853			

* 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 14 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4453	4206	4638	4378
MSPGCL Hydro	867	878	937	92
MSPGCL Gas	254	252	257	265
MSPGCL Total Generation	5574	5336	5832	4735
Central Sector Receipt	5954	5999	5478	4293
WIND	64	83	238	318
CPP / IPP Thermal	5079	5106	5221	5061
CPP / IPP Gas	0	0	0	0
SOLAR	328	289	0	0
Exchange with Mumbai	-1637	-1639	-1521	-1039
MSEDCL DEMAND MET	15362	15174	15248	13368
Load Shedding	656	777	281	0
MSEDCL DEMAND	16018	15951	15529	13368
TPCL GENERATION	1328	1190	1304	639
R-INFRA GENERATION	250	250	250	195
MUMBAI DEMAND	3215	3079	3075	1873
STATE DEMAND MET	18577	18253	18323	15241
STATE DEMAND	19233	19030	18604	15241
Frequency (Hz)	49.95	49.99	49.96	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 13.02 Hrs	49.81 Hz at 00.09 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 27/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	0.00	34.12	0	0
Unit 8	11.42	294.14	500	425
Unit 9	0.00	69.47	0	0
Unit 10	11.78	223.98	550	445
Total	23.20	621.71		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	7.82	194.70	405	300
Unit 5	8.10	218.06	400	300
Total	15.91	412.76		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.36	119.94	186	170
Unit 7	4.25	117.52	184	169
Unit 8	0.00	0.00	0	0
Total	8.61	237.46		
Chandrapur				
Unit 3	0.00	44.56	0	0
Unit 4	0.00	0.00	0	0
Unit 5	4.87	198.06	400	0
Unit 6	0.00	66.75	0	0
Unit 7	9.64	177.06	408	395
Unit 8	8.81	276.18	495	314
Unit 9	8.71	192.82	445	327
Total	32.03	955.43		
Paras				
Unit 3	4.01	109.02	188	155
Unit 4	3.92	107.27	190	140
Total	7.92	216.29		
Khaparkheda				
Unit 1	0.00	24.14	0	0
Unit 2	0.00	79.84	0	0
Unit 3	0.00	36.38	0	0
Unit 4	0.00	0.00	0	0
Unit 5	9.67	44.93	500	360
Total	9.67	185.29		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.91	109.38	168	156
Unit 5	3.88	86.96	167	155
Total	7.78	196.35		
Uran				
All Units	6.32	198.33	284	252
Total	6.32	198.33		
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)	0.06	1.08	47	0
Total	0.06	1.08		
Koyna				
Stage 1-2	3.64	105.37	350	40
Stage 4	5.52	165.82	750	0
Stage 3	2.08	66.18	240	0
Total	11.24	337.37		
Hydro				
KDPH	0.18	7.23	8	7
VTRNA	0.45	10.15	61	0
TILLARI	0.12	1.63	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.44	8.86	80	0
RNGR+BHTSA	0.32	6.50	14	13
BHANDARDRA	0.34	4.51	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.10	8.84	5	4
GHATGHAR	0.00	0.00	0	0
Total	1.96	47.71		
Wind				
Total	6.24	311.81	0	0
Total	6.24	311.81		
CPP				
APML(Mus)	61.31	1300.51	0	0
JSWEL(Mus)	27.51	560.34	0	0
VIPL(Mus)	7.48	190.99	0	0
RPLAMT(Mus)	20.13	598.17	0	0
WPCL(Mus)	3.19	64.36	0	0
Other(Mus)	3.52	73.66	0	0
Total	123.16	2788.04		
SOLAR				
Total	2.34	53.74	0	0
Total	2.34	53.74		
Tata				
Trombay 5	10.76	280.55	484	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.05	40.86	102	71
Trombay 7B	1.39	30.46	63	53
Trombay 8	5.60	147.76	248	195
TATA Hydro	6.02	115.72	459	0
Total	25.82	615.35		
R-INFRA				
DTPS U-1&2	5.78	263.21	251	189
Total	5.78	263.21		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	105.13	2825.29	MSPGCL Total	124.65	3408.71
			MSPGCL Thml+Gas	111.45	3023.62	Koyna 1,2 & 4 Total	9.16	271.19
			MSPGCL Hydro	13.20	385.09	State Total	287.98	7440.85

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 27/Sep/2017

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	4380	97	274	4751	190	5012	0	0	4588	4771	-1239	13485	0	13485	2301	15786	49.91
2	4372	92	263	4727	272	5053	0	0	4413	4468	-1125	13395	0	13395	2120	15515	49.94
3	4370	87	276	4733	288	5074	0	0	4335	4356	-1087	13364	0	13364	1936	15300	49.98
4	4378	92	265	4735	318	5061	0	0	4318	4293	-1039	13368	0	13368	1873	15241	50.02
5	4344	86	274	4704	338	5105	0	0	4579	4568	-1016	13699	0	13699	1851	15550	49.97
6	4393	244	266	4903	343	5141	0	0	4849	4992	-983	14396	200	14596	1931	16527	49.96
7	4369	310	266	4945	344	5145	0	9	5419	5243	-1032	14654	395	15049	2112	17161	49.96
8	4405	368	284	5057	208	5127	0	74	5497	5896	-1115	15247	451	15698	2252	17950	49.98
9	4450	323	261	5034	151	5001	0	175	5715	5676	-1440	14597	283	14880	2647	17527	49.95
10	4426	366	268	5060	121	5050	0	246	5580	5734	-1413	14798	266	15064	2899	17963	49.95
11	4426	600	257	5283	101	5086	0	326	5680	6363	-1595	15564	329	15893	3155	19048	50.02
12	4453	867	254	5574	64	5079	0	328	5661	5954	-1637	15362	656	16018	3215	19233	49.95
13	4170	777	262	5209	41	5100	0	341	5565	5780	-1637	14834	833	15667	3198	18865	49.97
14	4206	878	252	5336	83	5106	0	289	5601	5999	-1639	15174	777	15951	3079	19030	49.99
15	4356	678	252	5286	256	5167	0	221	5617	5772	-1608	15094	454	15548	3136	18684	49.99
16	4345	853	254	5452	356	5218	0	179	5600	5951	-1638	15518	352	15870	3143	19013	50.02
17	4250	524	264	5038	276	5186	0	114	5298	5445	-1640	14419	392	14811	3145	17956	50.00
18	4337	263	255	4855	290	5219	0	35	5125	5101	-1544	13956	525	14481	3097	17578	50.00
19	4638	937	257	5832	238	5221	0	0	5252	5478	-1521	15248	281	15529	3075	18604	49.96
20	4676	1159	269	6104	346	5207	0	0	5266	5031	-1486	15202	168	15370	3092	18462	49.95
21	4670	1159	260	6089	452	5190	0	0	4907	5000	-1437	15294	0	15294	2978	18272	50.00
22	4287	1081	259	5627	449	5205	0	0	4801	4954	-1313	14922	0	14922	2802	17724	50.01
23	4204	906	270	5380	345	5205	0	0	4697	4831	-1316	14445	0	14445	2680	17125	49.98
24	4224	448	261	4933	367	5198	0	0	4641	4678	-1314	13862	0	13862	2699	16561	49.98
MUs	105.13	13.20	6.32	124.65	6.24	123.16	0.00	2.34	123.00	126.33	-32.81	349.90	6.36	356.26	64.42	420.68	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 27/Sep/2017

Position as on 6.30 Hrs of 28/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								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	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 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 5	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	
RGPL	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	Dhariwal	300	01/06/2017	00.01		Continued.	NO SCHEDULE.	
IPP	VIPL U-1	300	13/06/2017	08.30		Continued.	GT WORK(Coal Shortage From 11-09-2017)	
MSPGCL	Parli Unit 8	250	17/06/2017	00.08	28/09/2017	02.30	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.	
CPP	SWPGL U-3	135	26/08/2017	17.40		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 27/Sep/2017

Position as on 6.30 Hrs of 28/Sep/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Bhusawal Unit 3	210	27/08/2017	07.43		Continued.	Coal Shortage From 29.08.2017.	
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.	Coal shortage form 12.09.2017.	
MSPGCL	Khaparkheda Unit 1	210	08/09/2017	12.23		Continued.	Coal Shortage	
MSPGCL	Chandrapur Unit 6	500	09/09/2017	04.40		Continued.	Coal Shortage form 12.09.2017.	
MSPGCL	Khaparkheda Unit 3	210	12/09/2017	00.00		Continued.	Coal Shortage	
MSPGCL	Chandrapur Unit 3	210	12/09/2017	00.00		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 7	210	12/09/2017	00.12		Continued.	Coal Shortage	
IPP	RPL(AMT) U-3	270	17/09/2017	00.02		Continued.	Coal Shortage	
IPP	RPL(AMT) U-5	270	17/09/2017	02.01		Continued.	Coal Shortage	
MSPGCL	Uran Unit 5	108	19/09/2017	22.52		Continued.	Boiler protection Operated	
RINFRA-G	REL Unit 2	250	22/09/2017	00.11		Continued.	Coal Shortage	
MSPGCL	Khaparkheda Unit 2	210	25/09/2017	06.50		Continued.	Coal Shortage	
MSPGCL	Chandrapur Unit 5	500	27/09/2017	12.22	28/09/2017	01.29	Generator Protection operated	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Sep/2017

Statement-VII

Position as on 6.30 Hrs of 28/Sep/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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	23/09/2017	20.41	27/09/2017	10.38	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	27/09/2017	17.59		Continued.	T	Over Voltage
Ektuni-Bableshwar ckt I	IntraState	15/09/2017	19.16		Continued.	HT	Attending Hot Spot
karad -kolhapur-I	IntraState	19/09/2017	20.43		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	26/09/2017	10.00	27/09/2017	06.26	T	Over Voltage
Karad-Jaigad - I	IntraState	26/09/2017	16.19	27/09/2017	10.34	T	Distance Protection
Bhusawal-Aurangabad	IntraState	26/09/2017	22.06	27/09/2017	06.26	T	Over Voltage
Cahndrapur II - Dhariwal II	IntraState	27/09/2017	11.10	27/09/2017	17.15	PO	And Allied Bay Maintenance Work.Diagnostic Testing Work
N.Koyna-Karad -Ckt I	IntraState	27/09/2017	15.28	27/09/2017	19.38	EO	Attending Hot Spot
Deepnagar - Aurangabad	IntraState	27/09/2017	15.39	28/09/2017	07.05	T	Distance Protection
Karad - Jaigad - II	IntraState	27/09/2017	20.43		Continued.	HT	Over Voltage
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.
Mahalakshmi Amona	InterState	27/09/2017	15.21	27/09/2017	15.41	T	tripped Only at Ammona end
Tillari Amona	InterState	27/09/2017	15.21	27/09/2017	15.45	T	Tripped Only At Amona End
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.
Pusad - Hingoli	IntraState	11/09/2017	20.06		Continued.	HT	Distance Relay Faulty at pusad end
Pedambe-Nerle	IntraState	23/09/2017	00.50		Continued.	T	B Phase CT Burst at Pedambe End
Khaparkheda-Ambazari-I	IntraState	26/09/2017	18.36	27/09/2017	06.15	HT	To Control Khaperkheda-Khaperkheda Ck1
Sonkhar - Trombay	IntraState	27/09/2017	05.38	27/09/2017	06.38	T	Distance Protection
Ghodbunder - Versova	IntraState	27/09/2017	09.21	27/09/2017	20.19	PO	Annual Maintenance Work
Pophali - Pedambe II	IntraState	27/09/2017	09.55	27/09/2017	17.05	PO	Line Maintenance work
Khaparkheda-Ambazari-II	IntraState	27/09/2017	10.02	27/09/2017	16.01	PO	Tan Delta Measurment of CTs
Warora - Wardha	IntraState	27/09/2017	10.25	27/09/2017	16.08	T	Measurement Of Tan Delta Of CT Routine Maintenance Work
Bhandara-Bhandara Rly Tss 2	IntraState	27/09/2017	10.57	27/09/2017	17.08	PO	Routine Maintenance Work, Diagnostic Testing Work
ACCIL - Apta	IntraState	27/09/2017	11.02	27/09/2017	11.47	T	Distance Protection
Miraj - Mhaishal	IntraState	27/09/2017	14.40	27/09/2017	18.13	PO	Testing Work
Bombay Dyeing - Sahara	IntraState	27/09/2017	15.06	27/09/2017	22.22	HT	Over Voltage
Kharepatan -Pawas Line	IntraState	27/09/2017	15.32	27/09/2017	16.08	T	Distance Protection
Ghatghar - Bapgaon	IntraState	27/09/2017	15.52	27/09/2017	16.17	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)
220/110kv 100MVA ICT-II @Miraj	IntraState	18/09/2017	11.27		Continued.	PO	Replacement Of Ict-2.
220/132 Kv Ict 2 200 Mva @Parbhani	IntraState	27/09/2017	10.00	27/09/2017	16.20	PO	Tan Delta Measurment of CTs

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 27/Sep/2017

Statement-VII

Position as on 6.30 Hrs of 28/Sep/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
100 KV LINE Outages/Trippings							
Kandalgaon - Roha II	IntraState	26/09/2017	13.00		Continued.	PO	Relay Testing Work.
Kandalgaon- Roha I	IntraState	26/09/2017	16.50		Continued.	T	Distance Protection