

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 18/Sep/2017 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	104.585	1893.278	1) Gujrat	-1.935	25.328
2) Hydro	3.378	305.901	2) Madhya Pradesh	9.199	267.452
3) Gas	10.175	139.155	3) Chattisgarh	6.680	105.580
Total MSPGCL	118.138	2338.334	4) Maharashtra Net	92.714	1718.152
B) 1) APML	39.845	795.465	5) Goa (Amona)	-0.176	-2.024
2) JSWEL	26.465	338.251	Total	106.482	2114.488
3) VIPL	5.485	131.626	a) Mumbai Schedule	21.376	394.154
4) RPL(AMT)	9.868	486.406	b) Mumbai Drawl	31.635	466.659
5) WPCL	2.103	44.769	c) MSEDCL Bilateral *	18.633	312.325
6) PGPL	0.000	0.000	Include PX	0.000	36.266
7) Other IPP	2.383	50.100	d) Mumbai Bilateral *	21.376	393.104
C) 1) TPCL Thermal	13.566	296.405	Include PX	0.894	83.468
2) TPCL Hydro	3.352	83.727	Include Standby	0.000	1.050
3) TPCL Gas	3.092	47.061	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.434	203.714	1) MSEDCL	312.519	6032.215
D) STATE			2) Mumbai Discoms	61.079	1097.564
1) Thermal	213.734	4240.014	TOTAL STATE	373.598	7129.779
(A1+C1+C4+(B1-B6))					
2) Hydro	6.730	389.628			
(A2+C2)					
3) Gas	13.267	186.216			
(A3+B6+C3)					
4) Wind	31.694	164.766			
6) SOLAR	1.691	34.669			
TOTAL STATE	267.116	5015.293			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4371	4422	4586	4207
MSPGCL Hydro	216	136	159	82
MSPGCL Gas	432	417	430	425
MSPGCL Total Generation	5019	4975	5175	4714
Central Sector Receipt	5065	4815	4522	3605
WIND	1526	1456	1463	850
CPP / IPP Thermal	3448	3494	4028	3246
CPP / IPP Gas	0	0	0	0
SOLAR	239	288	0	0
Exchange with Mumbai	-1628	-1842	-1274	-798
MSEDCL DEMAND MET	13669	13186	13914	11617
Load Shedding	0	0	693	0
MSEDCL DEMAND	13669	13186	14607	11617
TPCL GENERATION	1017	842	1096	620
R-INFRA GENERATION	374	375	498	375
MUMBAI DEMAND	3019	3059	2868	1793
STATE DEMAND MET	16688	16245	16782	13410
STATE DEMAND	16688	16245	17475	13410
Frequency (Hz)	50.01	49.99	50.01	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 07.02 Hrs	49.8 Hz at 17.52 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 18/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	11.14	198.46	510	430
Unit 9	0.00	69.47	0	0
Unit 10	11.32	129.73	530	450
Total	22.45	431.78		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	7.42	126.63	350	300
Unit 5	7.50	148.62	350	300
Total	14.92	275.25		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.67	80.26	200	188
Unit 7	4.62	78.72	202	180
Unit 8	0.00	0.00	0	0
Total	9.29	158.98		
Chandrapur				
Unit 3	0.00	44.56	0	0
Unit 4	0.00	0.00	0	0
Unit 5	9.03	122.09	405	355
Unit 6	0.00	66.75	0	0
Unit 7	9.00	96.65	400	356
Unit 8	10.47	189.64	500	331
Unit 9	10.23	106.62	480	361
Total	38.74	626.31		
Paras				
Unit 3	3.72	74.08	175	131
Unit 4	3.84	73.53	168	150
Total	7.56	147.61		
Khaparkheda				
Unit 1	0.00	24.14	0	0
Unit 2	3.81	58.84	170	140
Unit 3	0.00	36.38	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	7.68	0	0
Total	3.81	127.04		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.91	74.37	166	159
Unit 5	3.91	51.93	168	158
Total	7.82	126.31		
Uran				
All Units	10.18	139.16	437	405
Total	10.18	139.16		
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)	0.04	0.91	20	0
Total	0.04	0.91		
Koyna				
Stage 1-2	1.04	83.91	60	40
Stage 4	0.00	145.24	0	0
Stage 3	0.49	51.38	80	0
Total	1.54	280.54		
Hydro				
KDPH	0.00	2.44	0	0
VTRNA	0.62	7.46	61	0
TILLARI	0.12	0.54	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.12	6.02	80	0
RNGR+BHTSA	0.20	2.43	18	1
BHANDARDRA	0.19	2.15	14	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.59	4.33	25	24
GHATGHAR	0.00	0.00	0	0
Total	1.84	25.37		
Wind				
Total	31.69	164.77	0	0
Total	31.69	164.77		
CPP				
APML(Mus)	39.84	795.46	0	0
JSWEL(Mus)	26.46	338.25	0	0
VIPL(Mus)	5.48	131.63	0	0
RPLAMT(Mus)	9.87	486.41	0	0
WPCL(Mus)	2.10	44.77	0	0
Other(Mus)	2.38	50.10	0	0
Total	86.15	1846.62		
SOLAR				
Total	1.69	34.67	0	0
Total	1.69	34.67		
Tata				
Trombay 5	8.54	195.44	483	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.82	26.98	95	58
Trombay 7B	1.28	20.08	60	46
Trombay 8	5.02	100.96	242	180
TATA Hydro	3.35	83.73	416	0
Total	20.01	427.19		
R-INFRA				
DTPS U-1&2	9.43	203.71	499	374
Total	9.43	203.71		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	104.58	1893.28	MSPGCL Total	118.14	2338.33
			MSPGCL Thml+Gas	114.76	2032.43	Koyna 1,2 & 4 Total	1.04	229.15
			MSPGCL Hydro	3.38	305.90	State Total	267.12	5015.29

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/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 SHEDDI NG	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS										
1	4341	88	426	4855	1041	3492	0	0	3899	3860	-1075	12173	0	12173	2069	14242	50.04
2	4187	82	437	4706	929	3248	0	0	3659	3799	-906	11776	0	11776	1901	13677	50.03
3	4207	82	425	4714	850	3246	0	0	3920	3605	-798	11617	0	11617	1793	13410	50.04
4	4198	82	426	4706	739	3237	0	0	3507	3792	-731	11743	0	11743	1726	13469	50.03
5	4192	87	426	4705	916	3340	0	0	3580	3801	-726	12036	0	12036	1722	13758	50.02
6	4183	105	435	4723	1164	3473	0	0	4232	4448	-833	12975	0	12975	1828	14803	49.99
7	4382	163	427	4972	1211	3503	0	3	4595	4751	-991	13449	0	13449	1987	15436	50.03
8	4415	143	436	4994	1450	3494	0	43	4656	4446	-1178	13249	0	13249	2152	15401	50.06
9	4358	148	425	4931	1598	3468	0	102	4782	4681	-1280	13500	0	13500	2407	15907	50.03
10	4278	190	422	4890	1602	3444	0	180	4902	4630	-1483	13263	0	13263	2812	16075	49.99
11	4371	216	432	5019	1526	3448	0	239	5001	5065	-1628	13669	0	13669	3019	16688	50.01
12	4338	234	417	4989	1524	3463	0	237	5014	5005	-1680	13538	0	13538	3122	16660	50.00
13	4422	136	417	4975	1456	3494	0	288	5019	4815	-1842	13186	0	13186	3059	16245	49.99
14	4233	79	417	4729	1446	3469	0	244	4918	4925	-1799	13014	0	13014	2983	15997	50.02
15	4191	106	405	4702	1299	3445	0	180	4922	5300	-1730	13196	0	13196	2980	16176	49.99
16	4431	159	427	5017	1344	3577	0	95	4949	4736	-1590	13179	0	13179	3040	16219	49.96
17	4441	164	417	5022	1481	3741	0	57	4640	4516	-1643	13174	0	13174	3041	16215	49.98
18	4408	169	416	4993	1534	3674	0	22	4628	4716	-1704	13235	0	13235	3003	16238	49.94
19	4543	159	420	5122	1618	3881	0	1	4772	4778	-1370	14030	106	14136	2917	17053	49.96
20	4586	159	430	5175	1463	4028	0	0	4683	4522	-1274	13914	693	14607	2868	17475	50.01
21	4562	158	422	5142	1485	4231	0	0	4452	4324	-1283	13899	169	14068	2837	16905	50.01
22	4603	150	420	5173	1373	4224	0	0	4408	4011	-1262	13519	0	13519	2745	16264	50.03
23	4503	140	420	5063	1356	3935	0	0	4346	3932	-1386	12900	0	12900	2571	15471	50.02
24	4212	179	430	4821	1289	3594	0	0	4315	4026	-1443	12287	0	12287	2497	14784	50.02
MUs	104.58	3.38	10.17	118.14	31.69	86.15	0.00	1.69	107.80	106.48	-31.63	312.52	0.97	313.49	61.08	374.57	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 18/Sep/2017

Position as on 6.30 Hrs of 19/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 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	
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	
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.	
IPP	Adani U-2	660	11/08/2017	16.49	18/09/2017	23.41	Furnace Pressure High	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 18/Sep/2017

Position as on 6.30 Hrs of 19/Sep/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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.	
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 6	500	09/09/2017	04.40		Continued.	Boiler Tube Leakage	
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	
CPP	SWPGL U-4	135	17/09/2017	22.17	18/09/2017	00.28	Flame Failure	
IPP	RPL(AMT) U-1	270	18/09/2017	00.01		Continued.	Coal Shortage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Sep/2017

Statement-VII

Position as on 6.30 Hrs of 19/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 I	InterState	15/09/2017	19.30		Continued.	HT	Over Voltage
Dhule Khandwa II	InterState	16/09/2017	08.06		Continued.	PO	Replacement of conventional Insulators with polymer insulators.
Kolhapur Solapur(PG) I	InterState	18/09/2017	02.09	18/09/2017	08.37	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	18/09/2017	02.09		Continued.	HT	Over Voltage
Dhule Khandwa I	InterState	18/09/2017	10.42		Continued.	PO	REPLACEMENT OF CONVENTIONAL INSULATOR WITH POLYMER INSULATOR.
Karad-Jaigad - I	IntraState	08/09/2017	00.47	18/09/2017	09.22	HT	Over Voltage
karad -kolhapur-II	IntraState	09/09/2017	17.21	18/09/2017	10.12	HT	Over Voltage
Ektuni-Bableswhar ckt I	IntraState	15/09/2017	19.16		Continued.	HT	Attending Hot Spot
Bhusawal-Aurangabad	IntraState	16/09/2017	21.42	18/09/2017	09.09	HT	Over Voltage
Chandrapur-II - Nanded ckt II	IntraState	17/09/2017	23.00		Continued.	T	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	17/09/2017	23.37	18/09/2017	07.09	HT	Over Voltage
Bableswhar- Aurangabad (Waluj)	IntraState	18/09/2017	09.34	18/09/2017	17.30	PO	Testing Work
Chandrapur-II - Nanded ckt II	IntraState	18/09/2017	09.45		Continued.	T	Over Voltage
Jaigad-New Koyna Ckt-I	IntraState	18/09/2017	10.07	18/09/2017	10.27	PO	Annual Maintenance Work
Bus Coupler @ Padgha	IntraState	18/09/2017	15.37	18/09/2017	15.47	PO	Red Hot Spot Attending Work.
Bhusawal-Aurangabad	IntraState	18/09/2017	19.25		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	18/09/2017	21.43		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 MVA ICT II @Chandrapur	IntraState	18/09/2017	10.06		Continued.	PO	Tan Delta Measurement.
400/220KV 315MVA ICT-II @Akola	IntraState	18/09/2017	10.42	18/09/2017	20.55	T	Differential protection
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.
Boisar Tarapur	InterState	18/09/2017	21.28	18/09/2017	23.16	T	Distance Protection
Boisar(MS) - Boisar (PG) II	InterState	18/09/2017	21.28	18/09/2017	22.47	T	Distance Protection
Boisar(MS) - Boisar (PG) - I	InterState	18/09/2017	21.28	19/09/2017	03.52	T	Distance Protection
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
Parli New Tps - Beed Ckt 2	IntraState	13/09/2017	16.06	13/09/2017	Continued.	PO	Replacement of Flashover String
Butibori - Wardha	IntraState	17/09/2017	14.28		Continued.	T	Distance Protection
Apta - Tambati	IntraState	18/09/2017	07.35	18/09/2017	09.21	PO	Oil Top Up In CT.
Pedambe-Pophali	IntraState	18/09/2017	08.30	18/09/2017	20.25	HT	Due To Sparking.
Pedambe-Nerle	IntraState	18/09/2017	10.04	18/09/2017	14.35	T	Distance Protection
karad - Dasgaon	IntraState	18/09/2017	10.40	18/09/2017	13.28	PO	Jumper Open At Dasgaon.
New Koyna - Pedambe	IntraState	18/09/2017	14.12	18/09/2017	20.28	PO	Bus SEction-1 Outage.
Mahad - Pedambe	IntraState	18/09/2017	14.15	18/09/2017	20.10	PO	Bus SEction-1 Outage.

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 18/Sep/2017

Statement-VII

Position as on 6.30 Hrs of 19/Sep/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Kolhapur-Bidri	IntraState	18/09/2017	14.15	18/09/2017	16.53	PO	Tree Cutting.
Main Bus Section-I@ Pedambe	IntraState	18/09/2017	14.17	18/09/2017	19.55	PO	Conductor Replacement Work.
Sawantwadi-Bidri	IntraState	18/09/2017	14.35	18/09/2017	15.57	PO	Tree Cutting.
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)
220/132 Kv 150 Mva Emco Ict 1 @Ambazari	IntraState	06/09/2017	08.41		Continued.	PO	Augmentation of 200 MVA 220/132KV ICT
220/132-110kv 100mva Imp Ptr 2 @Wathar	IntraState	18/09/2017	10.10	18/09/2017	17.50	PO	Annual Maintenance Work
220/110kv 100MVA ICT-II @Miraj	IntraState	18/09/2017	11.27		Continued.	PO	Replacement Of Ict-2.

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