

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Sep/2018 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	121.749	2143.471	1) Gujrat	-3.606	21.098
2) Hydro	13.695	265.782	2) Madhya Pradesh	12.886	305.601
3) Gas	7.182	81.684	3) Chattisgarh	4.460	100.570
Total MSPGCL	142.626	2490.937	4) Maharashtra Net	132.256	2498.434
B) 1) APML	57.572	1084.866	5) Goa (Amona)	-0.088	-6.358
2) JSWEL	27.272	405.214	Total	145.908	2919.345
3) VIPL	14.842	288.281	a) Mumbai Schedule	20.502	442.220
4) RPL(AMT)	25.605	589.728	b) Mumbai Drawl	22.746	455.732
5) WPCL	5.596	74.833	c) MSEDCL Bilateral *	62.829	989.960
6) PGPL	0.000	0.000	Include PX	27.372	502.563
7) Other IPP	7.869	136.352	d) Mumbai Bilateral *	20.502	442.220
C) 1) TPCL Thermal	16.697	310.374	Include PX	1.049	28.634
2) TPCL Hydro	4.794	88.544	Include Standby	0.000	0.000
3) TPCL Gas	4.370	86.905	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	11.978	221.499	1) MSEDCL	421.540	8055.227
D) STATE			2) Mumbai Discoms	60.585	1163.048
1) Thermal	289.180	5254.618	TOTAL STATE	482.125	9218.275
(A1+C1+C4+(B1-B6))					
2) Hydro	18.489	354.326			
(A2+C2)					
3) Gas	11.552	168.589			
(A3+B6+C3)					
4) Wind	11.715	422.136			
6) SOLAR	5.281	99.267			
TOTAL STATE	336.217	6298.936			

* 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	5055	5054	5201	5075
MSPGCL Hydro	1157	1247	1227	106
MSPGCL Gas	298	287	304	307
MSPGCL Total Generation	6510	6588	6732	5488
Central Sector Receipt	7200	6982	5260	4677
WIND	236	226	358	716
CPP / IPP Thermal	5781	5805	5860	5529
CPP / IPP Gas	0	0	0	0
SOLAR	772	749	0	0
Exchange with Mumbai	-1239	-1188	-1104	-512
MSEDCL DEMAND MET	19260	19162	17106	15898
Load Shedding	0	0	0	0
MSEDCL DEMAND	19260	19162	17106	15898
TPCL GENERATION	1316	1288	1285	859
R-INFRA GENERATION	502	502	497	499
MUMBAI DEMAND	3057	2978	2886	1870
STATE DEMAND MET	22317	22140	19992	17768
STATE DEMAND	22317	22140	19992	17768
Frequency (Hz)	49.95	49.97	50.00	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 06.03 Hrs	49.67 Hz at 00.07 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 20/Sep/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.15	0	0
Unit 7	0.00	0.00	0	0
Unit 8	6.45	143.91	299	245
Unit 9	0.00	38.80	0	0
Unit 10	7.86	111.40	352	269
Total	14.31	294.26		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	8.54	50.19	360	350
Unit 5	8.44	194.10	360	345
Total	16.98	244.29		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	14.31	0	0
Unit 7	5.99	104.05	260	238
Unit 8	5.48	99.79	233	220
Total	11.48	218.16		
Chandrapur				
Unit 3	4.09	78.34	185	157
Unit 4	4.10	79.18	180	155
Unit 5	10.08	119.20	435	380
Unit 6	0.00	114.65	0	0
Unit 7	9.66	97.11	446	370
Unit 8	9.52	132.57	430	360
Unit 9	9.49	174.48	437	366
Total	46.93	795.52		
Paras				
Unit 3	0.00	59.46	0	0
Unit 4	5.11	94.58	240	181
Total	5.11	154.04		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	27.37	0	0
Unit 3	3.97	74.44	190	150
Unit 4	3.98	38.51	180	154
Unit 5	10.97	174.40	485	430
Total	18.92	314.72		
Nasik				
Unit 3	3.87	82.15	176	142
Unit 4	4.15	34.20	191	156
Unit 5	0.00	6.13	0	0
Total	8.02	122.48		
Uran				
All Units	7.18	81.68	309	285
Total	7.18	81.68		
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)	0.15	2.00	17	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.15	2.00		
Koyna				
Stage 1-2	4.86	70.14	535	40
Stage 4	4.78	108.53	500	0
Stage 3	2.16	41.09	240	0
Total	11.80	219.76		
Hydro				
KDPH	0.89	10.76	37	37
VTRNA	0.00	5.12	0	0
TILLARI	0.00	5.98	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.32	6.56	80	0
RNGR+BHTSA	0.27	5.19	15	0
BHANDARDRA	0.00	2.57	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.41	7.32	27	14
GHATGHAR	0.00	2.53	0	0
Total	1.89	46.03		
Wind				
Total	11.72	422.14	0	0
Total	11.72	422.14		
CPP				
APML(Mus)	57.57	1084.87	0	0
JSWEL(Mus)	27.27	405.21	0	0
VIPL(Mus)	14.84	288.28	0	0
RPLAMT(Mus)	25.60	589.73	0	0
WPCL(Mus)	5.60	74.83	0	0
Other(Mus)	7.87	136.35	0	0
Total	138.76	2579.27		
SOLAR				
Total	5.28	99.27	0	0
Total	5.28	99.27		
Tata				
Trombay 5	11.15	204.43	478	372
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.76	54.89	116	114
Trombay 7B	1.61	32.01	68	66
Trombay 8	5.55	105.95	237	204
TATA Hydro	4.79	88.54	423	0
Total	25.86	485.82		
R-INFRA				
DTPS U-1&2	11.98	221.50	502	493
Total	11.98	221.50		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	121.75	2143.47	MSPGCL Total	142.63	2490.94
			MSPGCL Thml+Gas	128.93	2225.16	Koyna 1,2 & 4 Total	9.64	178.66
			MSPGCL Hydro	13.70	265.78	State Total	336.22	6298.94

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Sep/2018

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	5119	261	307	5687	583	5747	0	0	5127	4951	-789	16179	0	16179	2216	18395	49.92
2	5077	141	299	5517	657	5719	0	0	5067	4850	-673	16070	0	16070	2048	18118	49.95
3	5066	116	308	5490	696	5687	0	0	4861	4777	-568	16082	0	16082	1939	18021	49.95
4	5075	106	307	5488	716	5529	0	0	4775	4677	-512	15898	0	15898	1870	17768	49.96
5	5017	333	299	5649	728	5620	0	0	4790	4993	-486	16504	0	16504	1854	18358	49.99
6	4968	589	307	5864	766	5682	0	0	5406	5642	-555	17399	0	17399	1929	19328	49.98
7	4982	435	308	5725	763	5756	0	21	6750	6534	-646	18153	0	18153	2030	20183	49.97
8	4989	429	297	5715	728	5712	0	173	7225	7282	-784	18826	0	18826	2183	21009	49.98
9	4943	196	306	5445	610	5761	0	385	7142	7460	-1001	18660	0	18660	2460	21120	50.02
10	4980	390	303	5673	570	5795	0	600	7100	7202	-1109	18731	0	18731	2769	21500	49.95
11	4994	696	290	5980	305	5778	0	710	7201	7293	-1177	18889	0	18889	2955	21844	49.96
12	5055	1157	298	6510	236	5781	0	772	7216	7200	-1239	19260	0	19260	3057	22317	49.95
13	5054	1247	287	6588	226	5805	0	749	7196	6982	-1188	19162	0	19162	2978	22140	49.97
14	4993	1273	285	6551	297	5782	0	657	6921	6987	-1114	19160	0	19160	2870	22030	50.00
15	5056	1156	295	6507	283	5798	0	521	6989	6960	-1170	18899	0	18899	2917	21816	49.98
16	5129	946	285	6360	511	5840	0	399	6972	6744	-1134	18720	0	18720	2891	21611	50.03
17	5167	557	297	6021	247	5859	0	229	6839	6719	-1155	17920	0	17920	2900	20820	49.98
18	5223	314	288	5825	354	5861	0	64	6539	6252	-1171	17185	0	17185	2861	20046	49.99
19	5218	773	288	6279	286	5852	0	1	5463	5564	-1078	16904	0	16904	2827	19731	49.94
20	5201	1227	304	6732	358	5860	0	0	5188	5260	-1104	17106	0	17106	2886	19992	50.00
21	5133	690	309	6132	455	5886	0	0	5154	5226	-1055	16644	0	16644	2726	19370	49.99
22	5090	304	299	5693	418	5931	0	0	5236	5406	-1009	16439	0	16439	2572	19011	50.01
23	5127	257	307	5691	429	5881	0	0	5417	5242	-962	16281	0	16281	2465	18746	49.98
24	5093	102	309	5504	493	5828	0	0	5675	5705	-1067	16463	0	16463	2382	18845	49.99
MUs	121.75	13.69	7.18	142.63	11.71	138.76	0.00	5.28	146.25	145.91	-22.75	421.54	0.00	421.54	60.59	482.12	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 20/Sep/2018

Position as on 6.30 Hrs of 21/Sep/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
IPP	Adani U-3	660	03/09/2018	05.02		Continued.	Capital 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.	
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	
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	Bhusawal Unit 3	210	21/05/2018	18.46		Continued.	Coal Swapping IEPL	
MSPGCL	Ghatghar Unit-2	125	29/06/2018	01.12		Continued.	Stator Earth Fault	
MSPGCL	Ghatghar Unit-2	125	29/06/2018	01:12		Continued.	Stator Earth Fault	
MSPGCL	Uran Unit 7	108	20/07/2018	12.53		Continued.	Compressor & Turbine Blade Failure.	
MSPGCL	Koradi Unit 7	210	03/08/2018	15.54		Continued.	Poor Coal Receipt.	
MSPGCL	Khaparkheda Unit 1	210	11/08/2018	23.57		Continued.	Poor coal Receipt	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	Poor Coal Receipt	
MSPGCL	Koradi Unit 9	660	04/09/2018	12.48		Continued.	Poor Coal Receipt	
MSPGCL	Uran Unit 8	108	08/09/2018	22.08		Continued.	Withdrawn due to B0 & U-7	
MSPGCL	Koradi Unit 6	210	09/09/2018	05.52		Continued.	Inspection of Boiler Tubes by R & M Team.	
MSPGCL	Khaparkheda Unit 2	210	10/09/2018	02.35		Continued.	Poor Coal Receipt.	
MSPGCL	Nasik Unit 5	210	11/09/2018	18.45		Continued.	Coal Swapping with DIL	
MSPGCL	Parli Unit 6	250	12/09/2018	06.57		Continued.	Poor Coal receipt	
MSPGCL	Chandrapur Unit 6	500	14/09/2018	23.58	20/09/2018	16:00	Clinker Removed	
MSPGCL	Paras Unit 3	250	15/09/2018	00.55		Continued.	Stator Earth Fault	
IPP	RPL(AMT) U-4	270	20/09/2018	00.01		Continued.	Poor Coal Receipt	
MSPGCL	Chandrapur Unit 6	500	20/09/2018	16:00		Continued.	Poor Coal Receipt	
IPP	RPL(AMT) U-5	270	21/09/2018	00.05		Continued.	Poor Coal Receipt	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Sep/2018

Statement-VII

Position as on 6.30 Hrs of 21/Sep/2018

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							
Pune(PG)-Solapur(PG)	InterState	20/09/2018	13.59	20/09/2018	18.56	EO	Emergency outage.
500 KV LINE Outages/Trippings							
HVDC Pole-I	IntraState	21/09/2018	22.10		Continued.	T	high angle supervision tripped.
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	19/09/2018	17.12	20/09/2018	06.30	T	Over Voltage
Dhule Sar'Sarovar I	InterState	20/09/2018	18.28	21/09/2018	07.10	HT	Over Voltage
Kudus-Padgha(PG) Ckt I	InterState	21/09/2018	10.37	21/09/2018	15.30	PO	DCRM, TIMING OF BAY CB,CT TESTING WORK.
Kudus-Padgha (PG) Ckt II	InterState	21/09/2018	15.50	21/09/2018	17.59	PO	Testing Work
Dhule Sar'Sarovar I	InterState	21/09/2018	17.45		Continued.	HT	Over Voltage
Kudus-Padgha(PG) Ckt I	InterState	21/09/2018	20.51	21/09/2018	22.36	T	Y-PHASE CURRENT ZERO
Dhule - Bableshwar - li	IntraState	01/06/2018	16.42		Continued.	T	Distance Protection Y-PH (Tower Collapsed)
Dhule- Bableshwar - I	IntraState	01/06/2018	16.42		Continued.	T	Distance Protection Y-PH (Tower Collapsed)
Khadka-Aurangabad (Waluj)	IntraState	19/09/2018	18.34	20/09/2018	06.29	HT	Over Voltage
Jaigad-Karad Ckt-I	IntraState	19/09/2018	20.02	20/09/2018	07.51	HT	Over Voltage
Main Bus-I @ Koradi III	IntraState	20/09/2018	08.36	20/09/2018	19.40	PO	Testing & maintenance of bus connected isolator & CVT.
Khadka-Aurangabad (Waluj)	IntraState	20/09/2018	21.33	21/09/2018	06.46	HT	Over Voltage
Aurangabad - Aurangabad(PG) I	IntraState	21/09/2018	10.10	21/09/2018	18.35	PO	CT DROP JUMPER REPLACEMENT WORK.
Bhusawal-Aurangabad	IntraState	21/09/2018	18.33		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220KV 500MVA ICT 2@koradi 2	IntraState	18/09/2018	09.47		Continued.	HT	Emergency Hand Tripped due to R Phase Buchholz alarm Indication on ICT
400/220 Kv 500 MVA ICT-III @Kalwa	IntraState	20/09/2018	15.03	20/09/2018	15.24	T	LBB operated due to non-tripping of CB of 220 kv colorchem ckt, there was fault on colorchem ckt.
400/220 Kv 500 MVA ICT-I @Kalwa	IntraState	20/09/2018	15.03	20/09/2018	15.23	T	LBB operated due to non-tripping of CB of 220 kv colorchem ckt, there was fault on colorchem ckt.
400/220kv 315MVA ICT-I@Parly	IntraState	21/09/2018	18.47		Continued.	PO	Relay Software Update, Memory card replacement
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	20/09/2018	18.07	20/09/2018	19.39	EO	Bus bar protection relay work at tarapur 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	For Bunching Of Conductor at Loc No.86 Disconnecting Of jumper at Loc No.86 to 107 And Deenergising The Line Between Loc No.86 To 107.
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To control line loading.
Kalwa 52B Interconnector CB	IntraState	19/08/2018	18.25		Continued.	HT	Taken In Service To Control Load Of Temghar Ckt At Kalwa 1 S/5 In Lieu Of 220kv Bus Outage At Padgha.
Nerul-Trombay	IntraState	31/08/2018	22.04		Continued.	PO	Conductor Replacement

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 20/Sep/2018

Statement-VII

Position as on 6.30 Hrs of 21/Sep/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Mahindra Vehicle-Bridgestone	IntraState	20/09/2018	08.02	20/09/2018	18.38	PO	Stringing work.
Baramati- Kalyani	IntraState	20/09/2018	10.20	20/09/2018	14.15	PO	Testing Work
Butibori - VIPL Ckt I	IntraState	20/09/2018	10.45	20/09/2018	17.21	PO	Tan Delta Measurment of CTs
Bhigwan-Baramati	IntraState	20/09/2018	14.56	20/09/2018	16.55	PO	Testing Work
Kalwa - Borivali	IntraState	20/09/2018	15.03	20/09/2018	15.27	T	LBB operated due to non-tripping of CB of 220 kv colorchem ckt, there was fault on colorchem ckt.
Kalwa - Mulund 2	IntraState	20/09/2018	15.03	20/09/2018	15.24	T	LBB operated due to non-tripping of CB of 220 kv colorchem ckt, there was fault on colorchem ckt.
Kalwa - Colourchem	IntraState	20/09/2018	15.03	20/09/2018	19.59	T	Distance Protection
Kalwa-TIFIL	IntraState	20/09/2018	15.03	20/09/2018	15.47	T	LBB operated due to non-tripping of CB of 220 kv colorchem ckt, there was fault on colorchem ckt.
Kalwa-Salsette-IV	IntraState	20/09/2018	15.03	20/09/2018	15.25	T	LBB operated due to non-tripping of CB of 220 kv colorchem ckt, there was fault on colorchem ckt.
GIS Bhandup - Borivali	IntraState	20/09/2018	15.11	20/09/2018	15.18	HT	Load management due occurrence at kalwa S/S.
Adlabs - Pedambe	IntraState	20/09/2018	17.19	21/09/2018	00.24	T	Distance Protection Z1 B Phase
Nerle - Dasgaon	IntraState	20/09/2018	19.10	20/09/2018	19.26	EO	To attend sparking on bus isolator.
Kalwa - Colourchem	IntraState	21/09/2018	09.25	21/09/2018	15.30	EO	Attending Hot Spot
Bapgaon - Kalwa	IntraState	21/09/2018	09.32	21/09/2018	18.22	PO	ISOLATOR MAINTENANCE WORK.
Dahanu Ghodbunder Line 2	IntraState	21/09/2018	10.56	21/09/2018	13.15	T	Distance Protection Z1 Y&B Phase
Ghatghar - Bapgaon	IntraState	21/09/2018	11.10	21/09/2018	11.45	T	TRIPPED AT BAPGAON END ONLY ON DP & SOTF/ 24 MW LOAD AFFECTED DURING 11:10 HRS TO 11:50 HRS.
Arey - TPC Borivali	IntraState	21/09/2018	11.20	21/09/2018	15.16	T	Distance Protection Z1 B Phase
Kandalgaon - ONGC Panvel	IntraState	21/09/2018	12.09	21/09/2018	14.15	T	Distance Protection Z1 Y Phase
Eklahare (Gcr) - Airoli Know Park	IntraState	21/09/2018	13.15	21/09/2018	15.03	EO	Attending Hot Spot
132 KV LINE Outages/Trippings							
Bhandara-Kardha	IntraState	20/09/2018	02.27	20/09/2018	02.52	T	Distance Protection
Jalna (220)-Ambad	IntraState	20/09/2018	04.00	20/09/2018	04.13	T	Distance Protection
Dhule(220kv)-Dondaicha(132 Kv)	IntraState	20/09/2018	13.42	20/09/2018	14.00	T	Distance Protection
Rahatani-Ncl	IntraState	21/09/2018	16.32	21/09/2018	16.37	T	Distance Protection(R Phase)

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