

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Nov/2016 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	138.385	2612.405	1) Gujrat	0.874	-0.890
2) Hydro	13.163	268.284	2) Madhya Pradesh	9.799	176.514
3) Gas	10.850	205.506	3) Chattisgarh	8.210	121.840
Total MSPGCL	162.398	3086.195	4) Maharashtra Net	89.120	1973.465
B) 1) APLM	50.785	1090.241	5) Goa (Amona)	-0.616	-14.316
2) JSWEL	15.729	423.266	Total	107.387	2256.613
3) VIPL	10.793	221.661	a) Mumbai Schedule	19.313	339.048
4) RPL(AMT)	0.000	228.754	b) Mumbai Drawl	23.675	418.087
5) WPCL	4.087	80.748	c) MSEDCL Bilateral *	26.649	533.963
6) PGPL	0.000	13.979	Include PX	-0.030	-17.713
7) Other IPP	8.353	122.582	d) Mumbai Bilateral *	19.313	339.048
C) 1) TPCL Thermal	5.252	279.094	Include PX	3.548	31.338
2) TPCL Hydro	2.130	81.016	Include Standby	0.000	0.000
3) TPCL Gas	4.347	86.106	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.187	200.531	1) MSEDCL	342.427	7243.225
D) STATE			2) Mumbai Discoms	45.591	1064.833
1) Thermal	243.571	5259.282	TOTAL STATE	388.018	8308.058
(A1+C1+C4+(B1-B6))					
2) Hydro	15.293	349.300			
(A2+C2)					
3) Gas	15.197	305.591			
(A3+B6+C3)					
4) Wind	5.306	113.306			
6) SOLAR	1.264	23.967			
TOTAL STATE	280.631	6051.446			

* 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 19 Hrs	D. Night Minimum at 23 Hrs
MSPGCL Thermal	6307	6298	5429	5333
MSPGCL Hydro	1642	1344	278	79
MSPGCL Gas	434	428	448	454
MSPGCL Total Generation	8383	8070	6155	5866
Central Sector Receipt	5226	5007	5324	3143
WIND	132	69	217	151
CPP / IPP Thermal	3886	3998	3596	3434
CPP / IPP Gas	0	0	0	0
SOLAR	185	180	0	0
Exchange with Mumbai	-987	-1011	-1252	-1209
MSEDCL DEMAND MET	16825	16313	14040	11385
Load Shedding	0	0	0	0
MSEDCL DEMAND	16825	16313	14040	11385
TPCL GENERATION	581	553	507	441
R-INFRA GENERATION	508	508	386	386
MUMBAI DEMAND	2076	2072	2145	2036
STATE DEMAND MET	18901	18385	16185	13421
STATE DEMAND	18901	18385	16185	13421
Frequency (Hz)	49.96	49.97	49.99	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 22.01 Hrs	49.79 Hz at 05.39 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/Nov/2016

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	54.21	0	0
Unit 8	12.19	181.28	555	460
Total	12.19	235.49		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	0.00	186.05	0	0
Unit 5	10.08	210.70	500	350
Total	10.08	396.74		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.87	65.60	233	186
Unit 7	0.00	79.96	0	0
Total	4.87	145.56		
Chandrapur				
Unit 3	4.29	89.31	201	163
Unit 4	4.34	88.26	195	166
Unit 5	9.44	136.86	450	355
Unit 6	9.62	193.95	465	356
Unit 7	9.14	175.14	416	340
Unit 8	10.31	204.01	500	367
Total	47.15	887.53		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.24	97.70	251	189
Total	5.24	97.70		
Khaparkheda				
Unit 1	4.11	74.38	190	160
Unit 2	4.14	83.49	195	160
Unit 3	4.27	85.54	203	160
Unit 4	0.00	71.56	0	0
Unit 5	10.43	204.34	500	375
Total	22.95	519.31		
Nasik				
Unit 3	4.09	84.35	195	165
Unit 4	4.10	41.04	202	163
Unit 5	0.00	40.10	0	0
Total	8.19	165.48		
Uran				
All Units	10.85	205.51	485	423
Total	10.85	205.51		
PGPL				
Unit 1	0.00	8.67	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	0.00	5.31	0	0
Total	0.00	13.98		
PENCH (MS)				
Pench (MS)	0.39	9.64	47	0
Total	0.39	9.64		
Koyna				
Stage 1-2	3.74	81.48	550	40
Stage 4	5.51	90.35	670	0
Stage 3	2.12	36.61	240	0
Total	11.38	208.44		
Hydro				
KDPH	0.00	11.97	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.37	7.38	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.16	4.12	80	0
RNGR+BHTSA	0.38	6.26	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.64	11.22	34	23
GHATGHAR	0.23	18.89	125	0
Total	1.78	59.84		
Wind				
Total	5.31	113.31	0	0
Total	5.31	113.31		
CPP				
APML(Mus)	50.78	1090.24	0	0
JSWEL(Mus)	15.73	423.27	0	0
VIPL(Mus)	10.79	221.66	0	0
RPLAMT(Mus)	0.00	228.75	0	0
WPCL(Mus)	4.09	80.75	0	0
Other(Mus)	8.35	122.58	0	0
Total	89.75	2167.25		
SOLAR				
Total	1.26	23.97	0	0
Total	1.26	23.97		
Tata				
Trombay 5	0.00	172.09	0	0
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.76	54.72	115	114
Trombay 7B	1.59	31.39	67	65
Trombay 8	5.25	107.00	244	200
TATA Hydro	2.13	81.02	183	6
Total	11.73	446.22		
R-INFRA				
1-2	10.19	200.53	510	385
Total	10.19	200.53		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	11.76	47.21
Koradi 9	15.95	81.46
Koradi 10	0.00	0.00
Parli 8	0.00	35.91

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	138.38	2612.40
MSPGCL Thml+Gas	149.24	2817.91
MSPGCL Hydro	13.16	268.28

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	162.40	3086.20
Koyna 1,2 & 4 Total	9.26	171.83
State Total	280.63	6051.45

State Load Despatch Center, Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/Nov/2016

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	5390	354	436	6180	301	3416	0	0	3171	3273	-1098	12072	0	12072	1870	13942	49.96
2	5368	134	455	5957	270	3433	0	0	3179	3465	-969	12156	0	12156	1743	13899	49.98
3	5428	109	470	6007	269	3456	0	0	3441	3450	-852	12330	0	12330	1620	13950	49.99
4	5351	94	476	5921	282	3470	0	0	3829	3693	-803	12563	0	12563	1570	14133	49.99
5	5366	85	485	5936	389	3465	0	0	4013	3842	-786	12846	0	12846	1553	14399	49.98
6	5473	309	485	6267	515	3521	0	0	4164	4047	-826	13524	0	13524	1609	15133	49.93
7	6134	327	471	6932	506	3814	0	1	4362	4318	-842	14729	0	14729	1644	16373	50.00
8	6232	135	479	6846	432	4106	0	27	4879	4822	-765	15468	0	15468	1665	17133	49.94
9	6243	922	456	7621	271	4137	0	87	4998	5292	-771	16637	0	16637	1793	18430	49.93
10	6256	1240	452	7948	232	3874	0	134	5071	5140	-820	16508	0	16508	1898	18406	49.95
11	6249	1390	450	8089	159	3882	0	167	5088	5141	-963	16475	0	16475	2040	18515	49.94
12	6307	1642	434	8383	132	3886	0	185	5081	5226	-987	16825	0	16825	2076	18901	49.96
13	6298	1344	428	8070	69	3998	0	180	5214	5007	-1011	16313	0	16313	2072	18385	49.97
14	6271	929	424	7624	51	4081	0	175	5233	5363	-936	16358	0	16358	1997	18355	50.00
15	6239	873	423	7535	42	4133	0	146	5285	5203	-915	16144	0	16144	1967	18111	50.00
16	6155	875	425	7455	43	4145	0	102	5244	5291	-866	16170	0	16170	1942	18112	49.94
17	5915	724	443	7082	61	4160	0	54	5250	5055	-973	15439	0	15439	1929	17368	49.96
18	5425	349	447	6221	140	4003	0	6	5000	5001	-1104	14267	0	14267	1998	16265	50.00
19	5429	278	448	6155	217	3596	0	0	5193	5324	-1252	14040	0	14040	2145	16185	49.99
20	5411	427	458	6296	228	3455	0	0	5007	5055	-1269	13765	0	13765	2163	15928	50.00
21	5401	313	445	6159	222	3436	0	0	4359	4046	-1258	12605	0	12605	2153	14758	50.01
22	5411	147	452	6010	187	3423	0	0	3987	3876	-1226	12270	0	12270	2117	14387	50.02
23	5333	79	454	5866	151	3434	0	0	3751	3143	-1209	11385	0	11385	2036	13421	49.98
24	5300	84	454	5838	137	3423	0	0	3082	3314	-1174	11538	0	11538	1991	13529	49.98
MUs	138.38	13.16	10.85	162.40	5.31	89.75	0.00	1.26	107.88	107.39	-23.67	342.43	0.00	342.43	45.59	388.02	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/Nov/2016

Position as on 6.30 Hrs of 21/Nov/2016

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,(AOH for 06.03.2016 To 04.04.2016) Unit Test synch.07.04.2016 (12.03 To 12.30hrs)After overhaul	
MSPGCL	Paras Unit 3	250	25/10/2016	08.54		Continued.	(Stator Fault)continued under AOH.26/10/2016 00.00hrs	
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	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
MSPGCL	Parli Unit 5	210	06/07/2015	14:55		Continued.	Water Shortage	
IPP	WPCL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero Shedule By MSEDCL.	
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 Shedule By MSEDCL from 00.00hrs/22-9-16. Shutdown taken on 18.10.2016 at 00:00Hrs for Turbine inspection and maintenance work	
MSPGCL	Bhusawal Unit 3	210	16/09/2016	00.02		Continued.	Zero Shedule by MSEDCL	
MSPGCL	Koyna Unit 11	80	24/09/2016	03.20		Continued.	Stator Earth Fault	
IPP	Adani U-1	660	06/11/2016	11.10		Continued.	Coal Shortage	
MSPGCL	Nasik Unit 5	210	12/11/2016	19.20		Continued.	Economizer Tube Leakage (continued under zero shedule).	
IPP	RPL(AMT) U-5	270	15/11/2016	20.00		Continued.	Zero shedule	
IPP	JSW (J) U1	300	16/11/2016	14.38		Continued.	Due To CW Duct Leakage.	
PGPL	PGPL U2	126	16/11/2016	19.30		Continued.	due to no Shedule	
PGPL	PGPL U1	262	16/11/2016	19.31		Continued.	due to no Shedule	
IPP	RPL(AMT) U-4	270	16/11/2016	21.03		Continued.	Zero Shedule By MSEDCL.	
IPP	RPL(AMT) U-2	270	16/11/2016	22.36		Continued.	Zero Shedule By MSEDCL.	
IPP	RPL(AMT) U-1	270	17/11/2016	17.23		Continued.	Zero Shedule.	

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 20/Nov/2016

Position as on 6.30 Hrs of 21/Nov/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Parli Unit 7	250	17/11/2016	22.10	21/11/2016	01.52	Furnace Pressure High	
MSPGCL	Koradi Unit 7	210	18/11/2016	01.09		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Bhusawal Unit 4	500	18/11/2016	10.16		Continued.	Boiler Tube Leakage	
MSPGCL	Parli Unit 8	250	18/11/2016	16.23		Continued.	For COD Conformation.	
TPC-G	Trombay 5	500	18/11/2016	19.56	21/11/2016	05.36	Outage For Attending Leakage In Generator Hydrogen Cooling System.	
MSPGCL	Khaparkheda Unit 4	210	19/11/2016	15.38	21/11/2016	07.08	Boiler Tube Leakage	
IPP	VIPL U-1	300	20/11/2016	07.53	20/11/2016	10.26	Generator Protection operated	
MSPGCL	Parli Unit 7	250	21/11/2016	04.15	21/11/2016	05.29	M.S.Temp.Low	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 21/Nov/2016

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							
Dhule Sar'Sarovar II	InterState	19/11/2016	19.25	20/11/2016	11.09	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	19/11/2016	21.29	20/11/2016	05.58	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	20/11/2016	18.15		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	20/11/2016	20.49		Continued.	HT	Over Voltage
Ektuni-Bableswhar ckt I	IntraState	09/10/2016	12.29		Continued.	HT	Hot Spot on Isolator(RFC from 17.36HrsDt.10-10-2016)
Lonikand I - Koyna stage-IV	IntraState	19/11/2016	07.15	20/11/2016	19.38	PO	Temporary alteration in ph sequence.
Khadka- Deepnagar Ckt 2	IntraState	19/11/2016	10.00	20/11/2016	09.21	PO	Routine Maintenance Work
Jaigad-Karad Ckt-I	IntraState	19/11/2016	16.41	20/11/2016	11.11	HT	Over Voltage
karad -kolhapur-II	IntraState	19/11/2016	18.06		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	19/11/2016	21.44	20/11/2016	06.29	HT	Over Voltage
Jejuri- Koynastage-IV	IntraState	19/11/2016	23.30	20/11/2016	19.52	PO	Insulator replacement.
Main Bus-I @ Jejuri	IntraState	19/11/2016	23.33	20/11/2016	08.31	EO	Disc replacement work
Karad-Jaigad - I	IntraState	20/11/2016	18.05		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	20/11/2016	19.30	21/11/2016	05.40	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 Kv 500 MVA ICT II @Jejuri	IntraState	19/11/2016	23.32	20/11/2016	08.31	EO	Replacement of Y Phase Faulty unit with spare unit
400/220kv 315 MVA ICT-III@Padgha	IntraState	20/11/2016	08.23	20/11/2016	13.51	PO	Replacement of PT Cable
220 KV LINE Outages/Trippings							
Mudshingi - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Chikodi end)
Talandage - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Talandage end) (QM work done from 13:05Hrs to 17:23Hrs on 5/10/2016)
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer 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 jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Bableswhar- Ranjangaon	IntraState	06/06/2016	07.22		Continued.	HT	Hand Tripped for Ranjangaon End.
Bableswhar -Bhenda	IntraState	24/10/2016	06.57		Continued.	HT	Alephata line loading.
Kalwa - Borivali	IntraState	27/10/2016	08.32		Continued.	HT	Outage availed on28.10.2016 at 08:09 hrs for construction activity of Mumbai strenghtning work
Mulund - GIS Bhandup	IntraState	27/10/2016	08.53		Continued.	HT	outage availed on 28.10.2016 at 09:30hrs for construction activity of mumbai strenghtning work.
Nashik-Airoli Knowledge Park	IntraState	14/11/2016	18.45		Continued.	PO	Diverting 100kv padghe-sahapur line THR nasik-know park line.
Borivali(M)- Vasai	IntraState	20/11/2016	08.39	20/11/2016	12.44	PO	Testing Work
Chalisingaon - Deepnagar	IntraState	20/11/2016	10.56	20/11/2016	14.20	PO	Heavy sparking observed on Y and B phase
Trombay - Kalwa	IntraState	20/11/2016	14.10		Continued.	T	Distance Protection
Khadaka-Chaligaon III	IntraState	20/11/2016	14.27	20/11/2016	17.41	PO	Heavy sparking observed on Y and B Phase
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)
132 KV LINE Outages/Trippings							

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/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 21/Nov/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Kanhan-Mansar	IntraState	20/11/2016	14.58	20/11/2016	20.04	T	C.B.Problem
100 KV LINE Outages/Trippings							
Padghe - Shahapur 1	IntraState	14/11/2016	08.50		Continued.	T	At loc. no 38 tower collapse.