

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 19/Nov/2016 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	134.652	2474.020	1) Gujrat	-1.470	-1.764
2) Hydro	21.298	255.121	2) Madhya Pradesh	8.971	166.715
3) Gas	9.217	194.656	3) Chattisgarh	8.290	113.630
Total MSPGCL	165.167	2923.797	4) Maharashtra Net	92.715	1884.345
B) 1) APML	51.643	1039.456	5) Goa (Amona)	-0.728	-13.700
2) JSWEL	15.988	407.537	Total	107.778	2149.226
3) VIPL	11.952	210.868	a) Mumbai Schedule	20.747	319.735
4) RPL(AMT)	0.000	228.754	b) Mumbai Drawl	26.670	394.412
5) WPCL	3.945	76.661	c) MSEDCL Bilateral *	26.983	507.313
6) PGPL	0.000	13.979	Include PX	-0.229	-17.683
7) Other IPP	8.082	114.229	d) Mumbai Bilateral *	20.747	319.735
C) 1) TPCL Thermal	5.464	273.842	Include PX	4.572	27.789
2) TPCL Hydro	5.989	78.886	Include Standby	0.000	0.000
3) TPCL Gas	4.347	81.759	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.557	190.344	1) MSEDCL	344.266	6900.798
D) STATE			2) Mumbai Discoms	53.027	1019.242
1) Thermal	242.283	5015.711	TOTAL STATE	397.293	7920.040
(A1+C1+C4+(B1-B6))					
2) Hydro	27.287	334.007			
(A2+C2)					
3) Gas	13.564	290.394			
(A3+B6+C3)					
4) Wind	5.150	108.000			
6) SOLAR	1.231	22.703			
TOTAL STATE	289.515	5770.815			

* 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 16 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6024	5773	5341	5297
MSPGCL Hydro	1615	1587	1037	69
MSPGCL Gas	294	296	339	466
MSPGCL Total Generation	7933	7656	6717	5832
Central Sector Receipt	5360	5401	4876	3523
WIND	123	115	174	313
CPP / IPP Thermal	4117	4059	3923	3386
CPP / IPP Gas	0	0	0	0
SOLAR	184	102	0	0
Exchange with Mumbai	-1238	-1140	-1339	-858
MSEDCL DEMAND MET	16479	16193	14351	12196
Load Shedding	89	151	0	0
MSEDCL DEMAND	16568	16344	14351	12196
TPCL GENERATION	882	885	853	384
R-INFRA GENERATION	503	509	387	387
MUMBAI DEMAND	2623	2534	2579	1629
STATE DEMAND MET	19102	18727	16930	13825
STATE DEMAND	19191	18878	16930	13825
Frequency (Hz)	49.98	49.95	49.96	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 17.02 Hrs	49.8 Hz at 12.11 Hrs	49.97	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 19/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	12.04	169.10	540	430
Total	12.04	223.30		
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	10.36	200.61	510	360
Total	10.36	386.66		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.86	60.73	226	173
Unit 7	0.00	79.96	0	0
Total	4.86	140.69		
Chandrapur				
Unit 3	4.30	85.01	200	163
Unit 4	4.36	83.92	196	162
Unit 5	9.73	127.42	450	350
Unit 6	9.66	184.33	460	355
Unit 7	9.00	166.00	410	352
Unit 8	10.44	193.70	500	360
Total	47.49	840.38		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	1.07	92.46	201	0
Total	1.07	92.46		
Khaparkheda				
Unit 1	4.07	70.27	190	155
Unit 2	4.02	79.34	190	130
Unit 3	4.22	81.27	203	157
Unit 4	2.74	71.56	191	0
Unit 5	10.23	193.92	500	380
Total	25.27	496.36		
Nasik				
Unit 3	4.14	80.26	200	165
Unit 4	4.10	36.94	202	159
Unit 5	0.00	40.10	0	0
Total	8.24	157.29		
Uran				
All Units	9.22	194.66	471	279
Total	9.22	194.66		
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)	0.27	9.25	50	0
Total	0.27	9.25		
Koyna				
Stage 1-2	6.53	77.74	555	45
Stage 4	8.87	84.83	775	0
Stage 3	3.23	34.49	240	0
Total	18.63	197.06		
Hydro				
KDPH	0.00	11.97	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.37	7.01	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.32	3.96	80	0
RNGR+BHTSA	0.00	5.88	0	0
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.66	10.58	37	24
GHATGHAR	1.32	18.66	250	0
Total	2.67	58.06		
Wind				
Total	5.15	108.00	0	0
Total	5.15	108.00		
CPP				
APML(Mus)	51.64	1039.46	0	0
JSWEL(Mus)	15.99	407.54	0	0
VIPL(Mus)	11.95	210.87	0	0
RPLAMT(Mus)	0.00	228.75	0	0
WPCL(Mus)	3.94	76.66	0	0
Other(Mus)	8.08	114.23	0	0
Total	91.61	2077.50		
SOLAR				
Total	1.23	22.70	0	0
Total	1.23	22.70		
Tata				
Trombay 5	0.00	172.09	0	0
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.76	51.96	116	114
Trombay 7B	1.59	29.80	67	65
Trombay 8	5.46	101.75	247	199
TATA Hydro	5.99	78.89	459	8
Total	15.80	434.49		
R-INFRA				
1-2	10.56	190.34	510	385
Total	10.56	190.34		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Chandrapur 9	9.55	35.45	MSPGCL Thermal	134.65	2474.02	MSPGCL Total	165.17	2923.80
Koradi 9	15.77	65.50	MSPGCL Thml+Gas	143.87	2668.68	Koyna 1,2 & 4 Total	15.40	162.57
Koradi 10	0.00	0.00	MSPGCL Hydro	21.30	255.12	State Total	289.52	5770.82
Parli 8	0.00	35.91						

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 19/Nov/2016

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	5318	599	446	6363	412	3405	0	0	3002	3253	-1190	12243	0	12243	1957	14200	49.94
2	5293	274	464	6031	418	3407	0	0	3149	3436	-986	12306	0	12306	1754	14060	49.94
3	5317	204	456	5977	374	3397	0	0	3324	3666	-924	12490	0	12490	1694	14184	49.97
4	5297	69	466	5832	313	3386	0	0	3382	3523	-858	12196	0	12196	1629	13825	49.96
5	5330	413	457	6200	275	3395	0	0	3474	3997	-837	13030	0	13030	1608	14638	49.99
6	5401	847	470	6718	299	3538	0	0	3846	3918	-918	13555	0	13555	1695	15250	49.96
7	5932	989	459	7380	257	3993	0	0	4245	4191	-861	14960	15	14975	1788	16763	50.00
8	6017	924	471	7412	226	4158	0	24	5121	4979	-879	15920	83	16003	1914	17917	50.01
9	6099	980	456	7535	173	4158	0	82	5257	5438	-949	16437	99	16536	2151	18687	49.97
10	6192	1011	401	7604	152	4141	0	121	5228	5328	-978	16368	86	16454	2342	18796	49.96
11	6136	1200	291	7627	125	4125	0	169	5350	5652	-1202	16496	105	16601	2588	19189	49.97
12	6024	1615	294	7933	123	4117	0	184	5394	5360	-1238	16479	89	16568	2623	19191	49.98
13	5618	1808	284	7710	85	4113	0	165	5153	5258	-1232	16099	102	16201	2622	18823	49.94
14	5535	1826	281	7642	91	4071	0	177	5206	5080	-1141	15920	106	16026	2530	18556	50.00
15	5566	1643	279	7488	101	4093	0	136	5294	5362	-1138	16042	157	16199	2531	18730	49.94
16	5773	1587	296	7656	115	4059	0	102	5192	5401	-1140	16193	151	16344	2534	18878	49.95
17	5763	1406	325	7494	115	4064	0	57	5026	5058	-1145	15643	159	15802	2523	18325	49.92
18	5687	783	335	6805	149	3967	0	14	4786	4856	-1324	14467	40	14507	2491	16998	49.99
19	5341	1037	339	6717	174	3923	0	0	4849	4876	-1339	14351	0	14351	2579	16930	49.96
20	5423	1106	384	6913	197	3812	0	0	4803	4633	-1320	14235	0	14235	2564	16799	49.98
21	5381	380	386	6147	187	3812	0	0	4378	4159	-1234	13071	0	13071	2421	15492	49.98
22	5431	235	390	6056	228	3660	0	0	3940	3625	-1384	12185	0	12185	2303	14488	50.01
23	5407	112	395	5914	258	3416	0	0	3696	3475	-1273	11790	0	11790	2133	13923	49.97
24	5371	250	392	6013	303	3396	0	0	2952	3254	-1180	11786	0	11786	2053	13839	49.98
MUs	134.65	21.30	9.22	165.17	5.15	91.61	0.00	1.23	106.05	107.78	-26.67	344.27	1.19	345.46	53.03	398.49	49.97

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 19/Nov/2016

Position as on 6.30 Hrs of 20/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 Schedule 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 Schedule by MSEDCL	
MSPGCL	Koyana 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 schedule).	
IPP	RPL(AMT) U-5	270	15/11/2016	20.00		Continued.	Zero schedule	
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 Schedule	
PGPL	PGPL U1	262	16/11/2016	19.31		Continued.	due to no Schedule	
IPP	RPL(AMT) U-4	270	16/11/2016	21.03		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-2	270	16/11/2016	22.36		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-1	270	17/11/2016	17.23		Continued.	Zero Schedule.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 19/Nov/2016

Position as on 6.30 Hrs of 20/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		Continued.	Furnace Pressure High	
MSPGCL	Koradi Unit 7	210	18/11/2016	01.09		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Paras Unit 4	250	18/11/2016	04.42	19/11/2016	17.18	Boiler Tube Leakage	
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		Continued.	Outage For Attending Leakage In Generator Hydrogen Cooling System.	
MSPGCL	Uran Unit B0	120	19/11/2016	09.52	19/11/2016	19.02	Filter replacement work	
MSPGCL	Uran Unit 7	108	19/11/2016	09.54	19/11/2016	15.41	filter replacement work.	
MSPGCL	Chandrapur Unit 9	500	19/11/2016	11.47	19/11/2016	14.45	Drum level high.	
MSPGCL	Khaparkheda Unit 4	210	19/11/2016	15.38		Continued.	Boiler Tube Leakage	
IPP	VIPL U-1	300	20/11/2016	07.53	20/11/2016	10.26	Generator Protection operated	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 20/Nov/2016

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 I	IntraState	19/11/2016	09.11	19/11/2016	17.48	T	Annual Maintenance Work
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar II	InterState	18/11/2016	20.19	19/11/2016	07.36	HT	Over Voltage
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)
Jaigad-Karad Ckt-II	IntraState	15/11/2016	21.56	19/11/2016	09.07	HT	Over Voltage
karad -kolhapur-I	IntraState	16/11/2016	20.58	19/11/2016	07.45	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	18/11/2016	19.07	19/11/2016	05.42	HT	Over Voltage
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		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33kv, 500 MVA ICT-I @Khaparkheda	IntraState	18/11/2016	09.36	19/11/2016	14.12	PO	Testing And Maintenance Work.
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.
Telco- Chinchwad	IntraState	18/11/2016	23.04	19/11/2016	02.08	PO	To Carry Out The Stringing Work.

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 19/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 20/Nov/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Talandge-Mudshingi Ckt-I	IntraState	19/11/2016	10.22	19/11/2016	13.28	PO	Insulator Replacement Work
Talandage(400kv) - Five Star Midc	IntraState	19/11/2016	13.55	19/11/2016	17.45	PO	Routine Maintenance Work
Eklahara(Gcr)(Nasik)- Bableshwar-I	IntraState	19/11/2016	22.05	19/11/2016	22.20	T	Tripped
Borivali(M)- Vasai	IntraState	20/11/2016	08.39	20/11/2016	12.44	PO	Testing Work
Chalisgaon - 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)
220/33kV 125 MVA Transformer 1 @Saki R/S	IntraState	19/11/2016	09.20	19/11/2016	18.30	PO	Line Maintenance work
132 KV LINE Outages/Trippings							
Babhaleshwar-Rahuri	IntraState	19/11/2016	09.20	19/11/2016	18.30	PO	Annual Maintenance Work
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.

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