

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	117.912	1830.512	1) Gujrat	1.766	117.796
2) Hydro	16.800	162.671	2) Madhya Pradesh	11.418	214.541
3) Gas	10.328	190.281	3) Chattisgarh	6.410	133.330
Total MSPGCL	145.040	2183.464	4) Maharashtra Net	113.208	1677.986
B) 1) APML	66.236	1193.128	5) Goa (Amona)	-0.736	-12.518
2) JSWEL	19.588	382.156	Total	132.066	2131.135
3) VIPL	13.078	220.471	a) Mumbai Schedule	23.621	382.070
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	26.167	484.047
5) WPCL	5.027	77.616	c) MSEDCL Bilateral *	27.484	449.783
6) PGPL	0.000	0.000	Include PX	-0.264	-74.792
7) Other IPP	4.978	57.246	d) Mumbai Bilateral *	23.621	382.070
C) 1) TPCL Thermal	15.963	268.330	Include PX	2.143	12.068
2) TPCL Hydro	5.919	68.924	Include Standby	0.000	0.000
3) TPCL Gas	4.478	83.844	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	11.032	191.116	1) MSEDCL	365.006	5962.830
D) STATE			2) Mumbai Discoms	63.559	1096.273
1) Thermal	253.814	4220.575	TOTAL STATE	428.565	7059.103
(A1+C1+C4+(B1-B6))					
2) Hydro	22.719	231.595			
(A2+C2)					
3) Gas	14.806	274.125			
(A3+B6+C3)					
4) Wind	3.841	181.289			
6) SOLAR	1.319	20.372			
TOTAL STATE	296.499	4927.956			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 17 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	5282	5218	5056	4188
MSPGCL Hydro	1390	1186	2054	67
MSPGCL Gas	428	416	427	429
MSPGCL Total Generation	7100	6820	7537	4684
Central Sector Receipt	5827	5736	6022	4847
WIND	59	171	309	140
CPP / IPP Thermal	4590	4641	4663	4222
CPP / IPP Gas	0	0	0	0
SOLAR	134	69	0	0
Exchange with Mumbai	-1104	-1274	-1190	-878
MSEDCL DEMAND MET	16607	16162	17341	13015
Load Shedding	0	0	0	0
MSEDCL DEMAND	16607	16162	17341	13015
TPCL GENERATION	1330	1369	1300	700
R-INFRA GENERATION	495	502	508	386
MUMBAI DEMAND	2929	3145	2998	1964
STATE DEMAND MET	19536	19307	20339	14979
STATE DEMAND	19536	19307	20339	14979
Frequency (Hz)	49.96	49.94	50.00	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 06.00 Hrs	49.75 Hz at 14.11 Hrs	49.95	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/Oct/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	0.01	0.01	4	0
Unit 8	11.95	194.77	535	352
Total	11.96	194.78		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Total	0.00	0.00		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.86	0.86	106	0
Unit 7	3.95	5.00	231	0
Total	4.82	5.86		
Chandrapur				
Unit 3	4.33	44.15	190	163
Unit 4	4.34	66.21	191	160
Unit 5	10.03	177.77	440	365
Unit 6	10.66	182.21	465	370
Unit 7	9.42	171.84	425	357
Unit 8	9.91	182.93	488	329
Total	48.70	825.11		
Paras				
Unit 3	5.79	97.74	261	188
Unit 4	0.00	91.42	0	0
Total	5.79	189.16		
Khaparkheda				
Unit 1	3.74	11.38	190	0
Unit 2	4.02	12.64	185	115
Unit 3	4.69	38.93	210	162
Unit 4	4.29	18.47	189	165
Unit 5	11.36	195.69	500	380
Total	28.10	277.12		
Nasik				
Unit 3	4.43	52.28	200	160
Unit 4	4.47	80.56	204	162
Unit 5	0.00	27.27	0	0
Total	8.90	160.12		
Uran				
All Units	10.33	190.28	449	414
Total	10.33	190.28		
PGPL				
Unit 1	0.00	0.00	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		
PENCH (MS)				
Pench (MS)	0.68	14.91	53	11
Total	0.68	14.91		
Koyna				
Stage 1-2	4.94	58.89	510	40
Stage 4	7.30	39.29	1019	0
Stage 3	2.65	23.68	240	0
Total	14.89	121.85		
Hydro				
KDPH	0.00	5.41	0	0
VTRNA	0.00	4.81	0	0
TILLARI	0.37	5.78	63	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.30	5.31	80	0
RNGR+BHTSA	0.34	2.31	15	0
BHANDARDRA	0.00	1.46	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.23	7.19	19	6
GHATGHAR	0.66	8.54	240	0
Total	1.91	40.82		
Wind				
Total	3.84	181.29	0	0
Total	3.84	181.29		
CPP				
APML(Mus)	66.24	1193.13	0	0
JSWEL(Mus)	19.59	382.16	0	0
VIPL(Mus)	13.08	220.47	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	5.03	77.62	0	0
Other(Mus)	4.98	57.25	0	0
Total	108.91	1930.62		
SOLAR				
Total	1.32	20.37	0	0
Total	1.32	20.37		
Tata				
Trombay 5	10.45	169.28	487	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.86	53.16	121	115
Trombay 7B	1.62	30.68	69	66
Trombay 8	5.52	99.05	247	195
TATA Hydro	5.92	68.92	459	0
Total	26.36	421.10		
R-INFRA				
1-2	11.03	191.12	510	385
Total	11.03	191.12		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	9.65	89.51
Koradi 9	0.00	88.87
Koradi 10	0.00	0.00
Parli 8	0.00	0.00

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	117.91	1830.51
MSPGCL Thml+Gas	128.24	2020.79
MSPGCL Hydro	16.80	162.67

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	145.04	2183.46
Koyna 1,2 & 4 Total	12.24	98.18
State Total	296.50	4927.96

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 19/Oct/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	4590	67	440	5097	140	4342	0	0	5170	4963	-1190	13351	0	13351	2273	15624	49.96
2	4398	62	437	4897	118	4272	0	0	5100	4811	-984	13114	0	13114	2067	15181	49.97
3	4188	67	429	4684	140	4222	0	0	4850	4847	-878	13015	0	13015	1964	14979	49.93
4	4276	67	438	4781	139	4268	0	0	4495	4718	-813	13093	0	13093	1898	14991	49.96
5	4305	67	444	4816	131	4304	0	0	4666	4899	-798	13352	0	13352	1883	15235	49.96
6	4657	257	443	5357	101	4350	0	0	5114	5467	-919	14356	0	14356	2005	16361	49.95
7	5228	440	446	6114	106	4519	0	2	5262	5251	-773	15219	0	15219	2101	17320	49.99
8	5205	942	442	6589	92	4575	0	36	5279	5314	-727	15880	0	15880	2316	18196	49.96
9	5203	1162	432	6797	54	4580	0	86	5446	5639	-758	16398	0	16398	2492	18890	49.97
10	5282	1390	428	7100	59	4590	0	134	5623	5827	-1104	16607	0	16607	2929	19536	49.96
11	5258	1114	428	6800	95	4575	0	176	5733	5525	-1341	15830	0	15830	3158	18988	49.98
12	5184	577	421	6182	95	4590	0	192	5891	5902	-1366	15595	0	15595	3185	18780	49.94
13	5166	392	420	5978	123	4631	0	186	5772	5578	-1394	15102	0	15102	3156	18258	49.93
14	5161	487	414	6062	115	4639	0	179	5655	5745	-1259	15481	0	15481	3066	18547	49.96
15	5224	606	419	6249	101	4651	0	143	5675	5790	-1213	15720	0	15720	3093	18813	49.91
16	5240	805	418	6463	100	4625	0	105	5650	5859	-1283	15870	0	15870	3142	19012	49.92
17	5218	1186	416	6820	171	4641	0	69	5563	5736	-1274	16162	0	16162	3145	19307	49.94
18	5182	1186	417	6785	253	4664	0	11	5629	5668	-1201	16180	0	16180	3075	19255	49.91
19	5137	1797	419	7353	369	4677	0	0	5789	5921	-1256	17065	0	17065	3070	20135	49.95
20	5056	2054	427	7537	309	4663	0	0	5872	6022	-1190	17341	0	17341	2998	20339	50.00
21	4929	1023	437	6389	307	4659	0	0	5808	5813	-1047	16121	0	16121	2823	18944	49.95
22	4703	736	431	5870	308	4652	0	0	5538	5753	-1000	15583	0	15583	2677	18260	49.96
23	4689	190	433	5312	239	4666	0	0	5529	5504	-1107	14615	0	14615	2578	17193	49.97
24	4433	126	449	5008	176	4552	0	0	5404	5513	-1292	13957	0	13957	2465	16422	49.98
MUs	117.91	16.80	10.33	145.04	3.84	108.91	0.00	1.32	130.51	132.07	-26.17	365.01	0.00	365.01	63.56	428.57	49.95

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/Oct/2016

Position as on 6.30 Hrs of 20/Oct/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	
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 6	250	25/06/2015	15.03	19/10/2016	06.08	Water Shortage (Zero Schedule by MSEDCL at 21:51 Hrs on 30.09.2016)	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
CPP	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	
IPP	RPL(AMT) U-5	270	24/05/2016	00.05		Continued.	Zero Schedule By MSEDCL.	
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	Parli Unit 5	210	06/07/2016	14.55		Continued.	Water Shortage	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
MSPGCL	Koyna Unit 8	80	19/08/2016	11.00	19/10/2016	12.55	High Vibration On LGB & UGB.	
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	
IPP	RPL(AMT) U-2	270	12/09/2016	00.03		Continued.	Zero Schedule by MSEDCL	
PGPL	PGPL U2	126	14/09/2016	00.16		Continued.	Due To No Shedule.	
PGPL	PGPL U1	262	14/09/2016	00.20		Continued.	Due To No Shedule.	
IPP	RPL(AMT) U-1	270	14/09/2016	23.55		Continued.	Zero Schedule by MSEDCL	
IPP	RPL(AMT) U-4	270	15/09/2016	18.09		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Bhusawal Unit 4	500	15/09/2016	23.59		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Bhusawal Unit 3	210	16/09/2016	00.02		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Koradi Unit 7	210	16/09/2016	00.06	19/10/2016	18.46	Zero Schedule by MSEDCL	
MSPGCL	Koyna Unit 11	80	24/09/2016	03.20		Continued.	Stator Earth Fault	

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

Position as on 6.30 Hrs of 20/Oct/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Nasik Unit 5	210	07/10/2016	16.30		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Koradi Unit 9	660	17/10/2016	00.01		Continued.	Commissioning of HCSD System.	
IPP	JSW (J) U3	300	18/10/2016	07.13	19/10/2016	02.40	No Schedule	
MSPGCL	Khaparkheda Unit 1	210	18/10/2016	09.55	19/10/2016	01.55	Air Flow Low.	
MSPGCL	Paras Unit 4	250	18/10/2016	21.22		Continued.	Boiler Tube Leakage	
MSPGCL	Parli Unit 7	250	18/10/2016	22.22	19/10/2016	02.48	Drum Level High.	
MSPGCL	Koradi Unit 7	210	19/10/2016	19.07	20/10/2016	03.16	Low Vacuum	
MSPGCL	Chandrapur Unit 9	500	19/10/2016	21.12		Continued.	Boiler Tube Leakage	

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

Statement-VII

Position as on 6.30 Hrs of 20/Oct/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 I	InterState	18/10/2016	22.40	19/10/2016	06.50	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	19/10/2016	20.05	20/10/2016	05.02	HT	Over Voltage
Ektuni-Bableshwar ckt I	IntraState	09/10/2016	12.29		Continued.	PO	Hot Spot on Isolator(RFC from 17.36HrsDt.10-10-2016)
Karad-Jaigad - I	IntraState	18/10/2016	21.31	19/10/2016	06.52	HT	Over Voltage
Koradi-India Bulls	IntraState	19/10/2016	07.19		Continued.	PO	Stringing of Section AP-7 to AP-8 for 400KV Koradi II to Tidangi(Koradi III)Line.
Padghe - Nagothane - II	IntraState	19/10/2016	10.01	19/10/2016	19.30	PO	Bus Isolator problem
Girwali- Lonikand 2	IntraState	19/10/2016	16.26	19/10/2016	19.55	PO	Line Maintenance work
220 KV LINE Outages/Trippings							
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)
Mudshingi - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Chikodi end)
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.
GIS Bhandup - Borivali	IntraState	11/01/2016	07.42		Continued.	PO	Tower Erection Work.
Bableshwar- Ranjangaon	IntraState	06/06/2016	07.22		Continued.	HT	Hand Tripped for Ranjangaon End.
Bableshwar- Alephata	IntraState	26/08/2016	20.54		Continued.	HT	Hand tripped.
Kalwa - Borivali	IntraState	28/09/2016	08.02		Continued.	PO	Balance tower erection work
Kharghar-PGPL	IntraState	12/10/2016	11.11		Continued.	PO	Bunching work @ Height Raising of Tower for cidco's metro rail bridge near Kharghar.
Kharghar - Tss Panvel	IntraState	12/10/2016	13.06		Continued.	PO	Bunching Work & Height Raising of Towers for Cidco's Metro Rail Bridge Near Kharghar.
Telco- Chinchwad	IntraState	13/10/2016	09.06		Continued.	PO	Annual Maintenance Work
Koradi-Ambazari-Ii	IntraState	19/10/2016	07.23	19/10/2016	20.11	PO	Stringing of Section AP-7 to AP-8 for 400KV Koradi II to Tidangi(Koradi III)Line.
Koradi-Ambazari-I	IntraState	19/10/2016	07.29	19/10/2016	19.58	PO	Stringing of Section AP-7 to AP-8 for 400KV Koradi II to Tidangi(Koradi III)Line.
Koradi-Khaperkheda	IntraState	19/10/2016	07.32	19/10/2016	20.17	PO	Stringing of Section AP-7 to AP-8 for 400KV Koradi II to Tidangi(Koradi III)Line.
Koradi-Butibori Rly Tss	IntraState	19/10/2016	07.51	19/10/2016	20.06	PO	Stringing of Section AP-7 to AP-8 for 400KV Koradi II to Tidangi(Koradi III)Line.
Versova Gorai Line	IntraState	19/10/2016	09.17	19/10/2016	19.35	PO	Routine Maintenance Work
Lamboti - Solapur li(Bale) Ckt- I	IntraState	19/10/2016	10.52	19/10/2016	13.22	PO	Line Maintenance work
Karad -Mudshingi Ckt- IV	IntraState	19/10/2016	11.07	19/10/2016	13.44	PO	Line Maintenance work
Pusad - Hingoli	IntraState	19/10/2016	16.06	19/10/2016	16.22	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)
220/132 Kv 200 Mva Vijai Ict 1 @Babhleshwar	IntraState	03/09/2016	14.45		Continued.	PO	Dismantling of ICT 1 &transfer to 220kv Amalner S/S.

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/Oct/2016

Statement-VII

Position as on 6.30 Hrs of 20/Oct/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/132 Kv 200 Mva Bbl lct 2 @Waghala Nanded	IntraState	19/10/2016	10.33	19/10/2016	18.30	PO	Tan Delta Measurment of CTs
132 KV LINE Outages/Trippings							
Dondaicha- Shahada	IntraState	19/10/2016	09.30	19/10/2016	11.55	T	Distance Protection
Dhule(220kv)-Dondaicha(220kv)	IntraState	19/10/2016	14.15	19/10/2016	14.29	T	Backup Protection
Dhule(220kv)-Dondaicha(132 Kv)	IntraState	19/10/2016	14.15	19/10/2016	14.34	T	Distance Protection

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