

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	139.580	2611.592	1) Gujrat	-2.144	-47.951
2) Hydro	17.331	373.284	2) Madhya Pradesh	5.768	127.697
3) Gas	10.093	180.291	3) Chattisgarh	7.190	137.760
Total MSPGCL	167.004	3165.167	4) Maharashtra Net	110.557	2093.720
B) 1) APML	48.962	931.194	5) Goa (Amona)	-0.592	-12.352
2) JSWEL	11.214	206.259	Total	120.779	2298.874
3) VIPL	11.896	232.200	a) Mumbai Schedule	21.720	397.187
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	26.347	443.424
5) WPCL	3.900	71.286	c) MSEDCL Bilateral *	33.562	433.557
6) PGPL	2.646	24.905	Include PX	-0.019	10.810
7) Other IPP	9.343	174.042	d) Mumbai Bilateral *	21.720	397.187
C) 1) TPCL Thermal	8.819	191.421	Include PX	4.124	64.295
2) TPCL Hydro	3.567	84.162	Include Standby	0.000	0.000
3) TPCL Gas	4.150	74.863	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.286	199.000	1) MSEDCL	354.917	6860.464
D) STATE			2) Mumbai Discoms	53.171	992.867
1) Thermal	244.000	4616.994	TOTAL STATE	408.088	7853.331
(A1+C1+C4+(B1-B6))					
2) Hydro	20.898	457.446			
(A2+C2)					
3) Gas	16.889	280.059			
(A3+B6+C3)					
4) Wind	4.242	177.526			
6) SOLAR	1.278	22.435			
TOTAL STATE	287.307	5554.460			

* 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 14 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	6162	6211	5339	5345
MSPGCL Hydro	1814	1661	847	86
MSPGCL Gas	424	418	422	322
MSPGCL Total Generation	8400	8290	6608	5753
Central Sector Receipt	5918	5955	5391	3570
WIND	39	25	170	375
CPP / IPP Thermal	3828	3787	3795	3237
CPP / IPP Gas	231	232	161	0
SOLAR	168	172	0	0
Exchange with Mumbai	-1314	-1261	-1328	-693
MSEDCL DEMAND MET	17270	17200	14797	12242
Load Shedding	0	0	0	0
MSEDCL DEMAND	17270	17200	14797	12242
TPCL GENERATION	935	830	931	458
R-INFRA GENERATION	504	509	385	386
MUMBAI DEMAND	2753	2600	2644	1537
STATE DEMAND MET	20023	19800	17441	13779
STATE DEMAND	20023	19800	17441	13779
Frequency (Hz)	49.98	50.00	49.98	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 05.01 Hrs	49.82 Hz at 06.40 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/Dec/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	3.32	41.25	165	0
Unit 8	0.00	144.07	0	0
Unit 9	8.46	174.87	355	350
Total	11.78	360.19		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.24	194.02	510	355
Unit 5	10.24	192.00	510	360
Total	20.48	386.01		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.02	98.61	246	151
Unit 7	4.88	95.89	234	180
Unit 8	0.00	0.00	0	0
Total	9.89	194.51		
Chandrapur				
Unit 3	4.32	72.68	200	163
Unit 4	4.18	82.97	184	165
Unit 5	9.78	184.03	465	365
Unit 6	9.56	121.03	450	350
Unit 7	9.06	176.57	407	356
Unit 8	6.24	142.84	500	0
Unit 9	9.52	98.45	450	359
Total	52.66	878.57		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.20	101.00	252	189
Total	5.20	101.00		
Khaparkheda				
Unit 1	4.14	70.81	195	160
Unit 2	4.12	80.76	200	160
Unit 3	4.24	82.77	204	160
Unit 4	4.16	80.64	195	160
Unit 5	10.26	204.22	500	370
Total	26.92	519.19		
Nasik				
Unit 3	0.00	45.35	0	0
Unit 4	4.22	48.73	198	162
Unit 5	4.21	62.00	199	155
Total	8.44	156.08		
Uran				
All Units	10.09	180.29	462	319
Total	10.09	180.29		
PGPL				
Unit 1	1.59	15.36	143	0
Unit 2	1.05	9.55	90	0
Total	2.65	24.90		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.04	4.33	20	0
Total	0.04	4.33		
Koyna				
Stage 1-2	4.90	106.74	555	40
Stage 4	6.61	139.36	701	0
Stage 3	2.27	52.25	240	0
Total	13.78	298.34		
Hydro				
KDPH	0.00	7.71	0	0
VTRNA	0.43	8.13	59	0
TILLARI	0.00	5.64	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.14	4.87	77	0
RNGR+BHTSA	0.37	6.27	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.79	12.96	40	30
GHATGHAR	1.82	29.36	250	0
Total	3.55	74.94		
Wind				
Total	4.24	177.53	0	0
Total	4.24	177.53		
CPP				
APML(Mus)	48.96	931.19	0	0
JSWEL(Mus)	11.21	206.26	0	0
VIPL(Mus)	11.90	232.20	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	3.90	71.29	0	0
Other(Mus)	9.34	174.04	0	0
Total	85.32	1614.98		
SOLAR				
Total	1.28	22.44	0	0
Total	1.28	22.44		
Tata				
Trombay 5	8.82	176.02	474	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.60	46.57	116	85
Trombay 7B	1.55	28.29	67	57
Trombay 8	0.00	15.40	0	0
TATA Hydro	3.57	84.16	434	41
Total	16.54	350.45		
R-INFRA				
1-2	10.29	199.00	509	383
Total	10.29	199.00		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Koradi 10	4.21	16.03

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	139.58	2611.59
MSPGCL Thml+Gas	149.67	2791.88
MSPGCL Hydro	17.33	373.28

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	167.00	3165.17
Koyna 1,2 & 4 Total	11.51	246.09
State Total	287.31	5554.46

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 19/Dec/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	5431	86	354	5871	311	3244	0	0	3769	3892	-918	12400	0	12400	1767	14167	49.99
2	5360	91	319	5770	384	3238	0	0	3770	3617	-779	12230	0	12230	1623	13853	49.98
3	5345	86	322	5753	375	3237	0	0	3627	3570	-693	12242	0	12242	1537	13779	50.00
4	5464	96	413	5973	345	3231	0	0	3574	3538	-640	12447	0	12447	1488	13935	49.99
5	5534	91	448	6073	334	3226	25	0	3879	3728	-630	12756	0	12756	1480	14236	49.99
6	5596	86	440	6122	242	3222	75	0	5176	4604	-741	13524	0	13524	1593	15117	50.00
7	5711	422	460	6593	200	3312	92	0	5740	5590	-840	14947	0	14947	1778	16725	49.95
8	6499	1108	440	8047	187	3618	60	15	5798	5392	-911	16408	0	16408	1908	18316	49.94
9	6713	955	462	8130	117	3791	135	71	5808	5863	-1090	17017	0	17017	2255	19272	49.93
10	6740	1076	439	8255	68	3857	231	124	5750	6016	-1181	17370	0	17370	2478	19848	49.95
11	6565	1314	446	8325	55	3847	232	167	5854	5759	-1310	17075	0	17075	2727	19802	49.97
12	6162	1814	424	8400	39	3828	231	168	5933	5918	-1314	17270	0	17270	2753	20023	49.98
13	6182	1731	430	8343	26	3782	233	199	5894	5735	-1296	17021	0	17021	2687	19708	49.97
14	6211	1661	418	8290	25	3787	232	172	5825	5955	-1261	17200	0	17200	2600	19800	50.00
15	6152	1566	417	8135	27	3793	232	170	5843	5841	-1277	16921	0	16921	2622	19543	49.95
16	6118	1581	436	8135	29	3799	232	118	5847	5899	-1237	16975	0	16975	2636	19611	49.96
17	5980	1131	409	7520	41	3807	232	64	5838	5853	-1263	16254	0	16254	2614	18868	49.94
18	5534	370	419	6323	102	3817	232	10	5580	5547	-1270	14761	0	14761	2576	17337	49.96
19	5339	847	422	6608	170	3795	161	0	5153	5391	-1328	14797	0	14797	2644	17441	49.98
20	5380	722	434	6536	217	3684	10	0	5679	5463	-1352	14558	0	14558	2589	17147	49.96
21	5394	171	437	6002	269	3525	0	0	5691	5112	-1322	13586	0	13586	2428	16014	49.99
22	5370	149	430	5949	254	3312	0	0	4749	4420	-1359	12576	0	12576	2282	14858	49.98
23	5374	87	441	5902	203	3301	0	0	4290	3908	-1257	12057	0	12057	2140	14197	49.97
24	5426	90	433	5949	222	3262	0	0	3830	4170	-1078	12525	0	12525	1964	14489	50.03
MUs	139.58	17.33	10.09	167.00	4.24	85.32	2.65	1.28	122.90	120.78	-26.35	354.92	0.00	354.92	53.17	408.09	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/Dec/2016

Position as on 6.30 Hrs of 20/Dec/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	
MSPGCL	Koradi Unit-8	660	12/12/2016	23.59		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	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
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	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.	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	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	
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.	
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.	
MSPGCL	Parli Unit 8	250	18/11/2016	16.23		Continued.	w/dn for balance work.	
IPP	JSW (J) U2	300	01/12/2016	00.00		Continued.	No Schedule.	

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

Position as on 6.30 Hrs of 20/Dec/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
TPC_G	Trombay 8	250	03/12/2016	23.43		Continued.	Boiler Recertification & LP Turbine Inspection.	
MSPGCL	Nasik Unit 3	210	11/12/2016	16.50		Continued.	Boiler Tube Leakage	
CPP	WPCL U-3	135	16/12/2016	17.12	19/12/2016	05.30	Electrical Problem.	
PGPL	PGPL U1	262	16/12/2016	19.30	19/12/2016	03.59	No schedule.	
PGPL	PGPL U2	126	16/12/2016	19.31	19/12/2016	05.00	No schedule.	
MSPGCL	Koradi Unit 10	660	19/12/2016	00.01	19/12/2016	03.00	RE HEATER TEMPERATURE HIGH.	
MSPGCL	Chandrapur Unit-8	500	19/12/2016	10.46	19/12/2016	17.29	Flame Failure	
PGPL	PGPL U1	262	19/12/2016	19.16	20/12/2016	04.00	No Schedule	
PGPL	PGPL U2	126	19/12/2016	19.16	20/12/2016	05.00	No Schedule	
MSPGCL	Koradi Unit 7	210	19/12/2016	21.52		Continued.	Zero Schedule BY MSEDCL	

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

Statement-VII

Position as on 6.30 Hrs of 20/Dec/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							
Kolhapur Solapur(PG) I	InterState	18/12/2016	17.26	19/12/2016	06.02	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	18/12/2016	18.05	19/12/2016	06.15	HT	Over Voltage
Padgha - Boisar (PG)	InterState	19/12/2016	11.58	19/12/2016	21.01	PO	CVT Replacement work
Dhule Sar'Sarovar II	InterState	19/12/2016	19.22		Continued.	HT	Over Voltage
Ektuni-Bableshwar ckt I	IntraState	17/12/2016	07.47		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	17/12/2016	17.07	19/12/2016	09.25	HT	Over Voltage
Jaigad-Karad Ckt-II	IntraState	17/12/2016	20.23	19/12/2016	10.20	HT	Over Voltage
Lonikand I - Koyana stage-IV	IntraState	18/12/2016	10.10	19/12/2016	14.22	PO	REMOVING TEMPORARY BUNCHING ARRANGEMENT.
Bhusawal-Aurangabad	IntraState	18/12/2016	18.07	19/12/2016	08.15	HT	Over Voltage
karad -kolhapur-II	IntraState	19/12/2016	16.48		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	19/12/2016	16.53		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	19/12/2016	17.53		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315 Mva ICT I @Karad	IntraState	19/12/2016	09.33	19/12/2016	19.55	PO	Annual Maintenance Work
220 KV LINE Outages/Trippings							
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.
Bableshwar- Ranjangaon	IntraState	06/06/2016	07.22	19/12/2016	19.12	HT	Hand Tripped for Ranjangaon End.
Kalwa - Borivali	IntraState	27/10/2016	08.32		Continued.	HT	Outage availed on 28.10.2016 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.
Nadgaonpeth-Amravati	IntraState	19/12/2016	10.01	19/12/2016	17.56	PO	To carry out rectification of balance punch point work
Badnera - Nandgaonpeth	IntraState	19/12/2016	10.25	19/12/2016	17.27	PO	To carry out rectification of balance punch point work
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)
220/100 Kv 50 Mva Gec Ict 1 @Kandalgaon	IntraState	15/12/2016	12.15		Continued.	PO	Augmentation Work(Outage for 3 Months).
220/100 Kv 200MVA ICT-I @Padghe	IntraState	19/12/2016	10.15	19/12/2016	17.21	PO	Attending Oil Leakage
220/132 kv 200MVA ICT II @ Girwali	IntraState	19/12/2016	11.00	19/12/2016	14.39	EO	Attending Hot Spot
132 KV LINE Outages/Trippings							
Motala-Malkapur	IntraState	19/12/2016	03.14	19/12/2016	03.26	T	Distance Protection

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