

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 15/Dec/2017 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	123.153	1748.502	1) Gujrat	2.157	16.171
2) Hydro	7.406	80.831	2) Madhya Pradesh	14.468	204.497
3) Gas	6.939	149.928	3) Chattisgarh	7.580	107.490
Total MSPGCL	137.498	1979.261	4) Maharashtra Net	105.044	1747.137
B) 1) APML	54.489	695.350	5) Goa (Amona)	-1.078	-13.464
2) JSWEL	17.942	244.075	Total	128.171	2061.831
3) VIPL	12.593	176.508	a) Mumbai Schedule	19.883	331.818
4) RPL(AMT)	5.687	149.199	b) Mumbai Drawl	18.873	350.954
5) WPCL	4.137	62.164	c) MSEDCL Bilateral *	31.003	537.911
6) PGPL	0.000	0.000	Include PX	-0.301	86.312
7) Other IPP	12.156	177.153	d) Mumbai Bilateral *	19.883	331.818
C) 1) TPCL Thermal	13.838	136.490	Include PX	-0.663	24.758
2) TPCL Hydro	4.667	74.490	Include Standby	0.000	0.000
3) TPCL Gas	2.753	58.945	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.489	146.265	1) MSEDCL	362.886	5371.369
D) STATE			2) Mumbai Discoms	50.620	767.144
1) Thermal	254.484	3535.706	TOTAL STATE	413.506	6138.513
(A1+C1+C4+(B1-B6))					
2) Hydro	12.073	155.321			
(A2+C2)					
3) Gas	9.692	208.873			
(A3+B6+C3)					
4) Wind	6.268	136.291			
6) SOLAR	2.818	40.491			
TOTAL STATE	285.335	4076.682			

* 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 24 Hrs
MSPGCL Thermal	5491	5471	5634	4643
MSPGCL Hydro	435	257	316	116
MSPGCL Gas	173	192	277	289
MSPGCL Total Generation	6099	5920	6227	5048
Central Sector Receipt	6316	6722	4976	4164
WIND	325	212	317	490
CPP / IPP Thermal	4917	4844	4997	3742
CPP / IPP Gas	0	0	0	0
SOLAR	452	456	0	0
Exchange with Mumbai	-1064	-1075	-1164	-723
MSEDCL DEMAND MET	17045	17079	15353	12721
Load Shedding	0	0	0	0
MSEDCL DEMAND	17045	17079	15353	12721
TPCL GENERATION	1110	1045	1024	711
R-INFRA GENERATION	504	504	393	378
MUMBAI DEMAND	2678	2624	2581	1812
STATE DEMAND MET	19723	19703	17934	14533
STATE DEMAND	19723	19703	17934	14533
Frequency (Hz)	49.96	49.96	49.99	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 12.01 Hrs	49.7 Hz at 09.18 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 15/Dec/2017

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	42.96	0	0
Unit 8	0.00	119.38	0	0
Unit 9	10.23	160.93	541	369
Unit 10	9.14	33.78	420	320
Total	19.37	357.06		
Bhusawal				
Unit 3	1.04	24.04	160	0
Unit 4	9.80	117.02	455	350
Unit 5	10.45	117.54	500	355
Total	21.29	258.60		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.43	68.07	189	181
Unit 7	0.00	12.88	0	0
Unit 8	3.80	58.58	167	151
Total	8.23	139.53		
Chandrapur				
Unit 3	0.00	8.28	0	0
Unit 4	0.00	10.22	0	0
Unit 5	9.64	22.04	445	354
Unit 6	8.89	133.43	395	329
Unit 7	9.88	145.06	454	350
Unit 8	8.28	143.50	360	242
Unit 9	9.88	145.99	458	350
Total	46.57	608.52		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.26	65.14	246	189
Total	5.26	65.14		
Khaparkheda				
Unit 1	0.08	0.08	60	0
Unit 2	3.56	55.79	165	125
Unit 3	0.00	0.00	0	0
Unit 4	0.41	0.41	98	0
Unit 5	9.89	142.52	470	350
Total	13.94	198.80		
Nasik				
Unit 3	4.25	60.28	199	157
Unit 4	4.24	60.57	196	157
Unit 5	0.00	0.00	0	0
Total	8.49	120.85		
Uran				
All Units	6.94	149.93	434	147
Total	6.94	149.93		
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)	0.41	3.27	47	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.41	3.27		
Koyna				
Stage 1-2	2.11	30.21	305	40
Stage 4	0.90	5.07	426	0
Stage 3	0.61	8.42	160	0
Total	3.62	43.70		
Hydro				
KDPH	0.87	4.02	37	36
VTRNA	0.00	0.02	0	0
TILLARI	0.37	5.55	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.26	3.86	77	0
RNGR+BHTSA	0.40	5.92	17	16
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.68	6.41	60	24
GHATGHAR	1.21	11.34	125	0
Total	3.78	37.13		
Wind				
Total	6.27	136.29	0	0
Total	6.27	136.29		
CPP				
APML(Mus)	54.49	695.35	0	0
JSWEL(Mus)	17.94	244.08	0	0
VIPL(Mus)	12.59	176.51	0	0
RPLAMT(Mus)	5.69	149.20	0	0
WPCL(Mus)	4.14	62.16	0	0
Other(Mus)	12.16	177.15	0	0
Total	107.00	1504.45		
SOLAR				
Total	2.82	40.49	0	0
Total	2.82	40.49		
Tata				
Trombay 5	8.56	124.05	488	310
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.56	36.50	88	60
Trombay 7B	1.20	22.45	58	47
Trombay 8	5.27	12.44	242	198
TATA Hydro	4.67	74.49	392	0
Total	21.26	269.92		
R-INFRA				
DTPS U-1&2	10.49	146.26	504	374
Total	10.49	146.26		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	123.15	1748.50	MSPGCL Total	137.50	1979.26
			MSPGCL Thml+Gas	130.09	1898.43	Koyna 1,2 & 4 Total	3.02	35.28
			MSPGCL Hydro	7.41	80.83	State Total	285.34	4076.68

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 15/Dec/2017

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	4591	229	412	5232	253	3715	0	0	4126	4390	-462	13128	0	13128	1569	14697	49.96
2	4582	124	424	5130	284	3754	0	0	4127	4442	-385	13225	0	13225	1445	14670	49.97
3	4570	118	416	5104	267	3751	0	0	4240	4500	-347	13275	0	13275	1373	14648	50.00
4	4574	123	434	5131	262	3741	0	0	4412	4621	-329	13426	0	13426	1336	14762	49.93
5	4656	133	415	5204	205	3775	0	0	5068	5020	-366	13838	0	13838	1373	15211	49.90
6	5178	118	425	5721	122	4272	0	0	5357	5340	-488	14968	0	14968	1511	16479	49.93
7	5272	443	418	6133	181	4611	0	4	5736	5751	-615	16065	0	16065	1730	17795	49.91
8	5256	849	265	6370	260	4880	0	65	6248	6096	-562	17109	0	17109	1910	19019	49.89
9	5272	818	154	6244	233	5048	0	182	5883	5722	-557	16872	0	16872	2152	19024	49.90
10	5272	608	156	6036	447	5001	0	299	5781	5786	-807	16762	0	16762	2440	19202	49.92
11	5306	545	147	5998	413	4944	0	408	5904	5736	-961	16539	0	16539	2629	19168	49.89
12	5491	435	173	6099	325	4917	0	452	6352	6316	-1064	17045	0	17045	2678	19723	49.96
13	5471	257	192	5920	212	4844	0	456	6490	6722	-1075	17079	0	17079	2624	19703	49.96
14	5485	242	201	5928	113	4757	0	367	6323	6539	-1010	16694	0	16694	2465	19159	50.00
15	5486	241	200	5927	72	4828	0	298	6315	6399	-1008	16516	0	16516	2484	19000	49.94
16	5479	286	213	5978	79	4824	0	206	6171	6255	-961	16381	0	16381	2490	18871	49.93
17	5531	436	280	6247	64	4955	0	75	5757	5796	-961	16175	0	16175	2501	18676	49.93
18	5621	333	285	6239	116	5027	0	6	5345	5273	-1014	15647	0	15647	2514	18161	49.92
19	5634	316	277	6227	317	4997	0	0	5255	4976	-1164	15353	0	15353	2581	17934	49.99
20	5187	221	297	5705	360	4722	0	0	5285	4694	-1163	14318	0	14318	2493	16811	50.01
21	4883	178	289	5350	273	4168	0	0	5193	4850	-995	13646	0	13646	2358	16004	50.02
22	4884	116	288	5288	411	3930	0	0	4956	4526	-970	13186	0	13186	2167	15353	50.01
23	4829	121	289	5239	509	3800	0	0	4560	4257	-886	12919	0	12919	1985	14904	50.02
24	4643	116	289	5048	490	3742	0	0	4004	4164	-723	12721	0	12721	1812	14533	50.01
MUs	123.15	7.41	6.94	137.50	6.27	107.00	0.00	2.82	128.89	128.17	-18.87	362.89	0.00	362.89	50.62	413.51	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 15/Dec/2017

Position as on 6.30 Hrs of 16/Dec/2017

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.	
CENT.SECTOR	Tarapur 1	160	04/06/2017	19.09		Continued.	3 months outage for refuelling.	
MSPGCL	Chandrapur Unit-8	500	16/12/2017	00.16		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	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
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 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	De-commissioned on dt. 01.04.2017	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	De-commissioned on dt.02.03.2017	
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	Ghatghar Unit-2	125	28/07/2017	00.00		Continued.	due to common pressure shaft with unit 1.	
MSPGCL	Khaparkheda Unit 3	210	12/09/2017	00.00		Continued.	Coal Shortage	
IPP	RPL(AMT) U-5	270	17/09/2017	02.01		Continued.	Coal Shortage	
IPP	Dhariwal	300	27/10/2017	17.31		Continued.	Drum level Not Maintained	
IPP	RPL(AMT) U-2	270	10/11/2017	00.00		Continued.	Coal Shortage	
MSPGCL	Nasik Unit 5	210	16/11/2017	04.45		Continued.	Flame Failure, withdrawn due to coal shortage since 20.11.2017 at 11:00Hrs	
IPP	Adani U-3	660	17/11/2017	20.59		Continued.	Tripped on APS Bellow Leakage	
MSPGCL	Khaparkheda Unit 1	210	18/11/2017	19.19	15/12/2017	22.49	Coal Shortage	
CPP	IEPL Unit 1	270	22/11/2017	23.50		Continued.	Electrical fault	
MSPGCL	Khaparkheda Unit 4	210	25/11/2017	19.19	15/12/2017	17.19	CHP coal feeding problem	
MSPGCL	Paras Unit 3	250	29/11/2017	22.55		Continued.	bunkering problem,Water shortage	
IPP	JSW (J) U2	300	01/12/2017	24.00		Continued.	no schedule.	
MSPGCL	Chandrapur Unit 3	210	03/12/2017	01.35		Continued.	Water Shortage	
MSPGCL	Chandrapur Unit 4	210	03/12/2017	14.17		Continued.	Water Shortage	
MSPGCL	Parli Unit 7	250	03/12/2017	23.35		Continued.	Poor Coal Receipt.	
MSPGCL	Bhusawal Unit 3	210	06/12/2017	23.52	15/12/2017	15.17	Coal Shortage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 15/Dec/2017

Position as on 6.30 Hrs of 16/Dec/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	RPL(AMT) U-1	270	12/12/2017	08.49		Continued.	switch gear problem.	
MSPGCL	Koradi Unit 7	210	13/12/2017	00.10		Continued.	poor coal receipt.	
MSPGCL	Uran Unit 7	108	13/12/2017	12.25	15/12/2017	10.40	Gas shortage	
MSPGCL	Koradi Unit-8	660	14/12/2017	19.27		Continued.	Poor Coal Receipt	
IPP	RPL(AMT) U-4	270	15/12/2017	00.01		Continued.	Coal Shortage	
MSPGCL	Uran Unit B0	120	15/12/2017	07.59	15/12/2017	15.50	Drum level low	
MSPGCL	Khaparkheda Unit 4	210	15/12/2017	17.19	15/12/2017	22.42	Furnace Pressure High	
MSPGCL	Khaparkheda Unit 4	210	15/12/2017	22.52	16/12/2017	05.36	Furnace Pressure High	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Dec/2017

Statement-VII

Position as on 6.30 Hrs of 16/Dec/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
Chandrapur - Padghe HvdC Pole 2	IntraState	15/12/2017	21.55	15/12/2017	22.57	T	REDUCED VOLTAGE MODE.
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
Dabhol Nagothane I	InterState	13/12/2017	07.50		Continued.	PO	cold washing, insul. repl and miscl. work.(RFC 20.30 DT.14-12-2017)
Dhule Sar'Sarovar I	InterState	14/12/2017	18.06		Continued.	HT	Over Voltage
Koradi Satpur	InterState	15/12/2017	11.47	15/12/2017	18.55	PO	OUTAGE BY WRDLC.
Bhusawal-Aurangabad	IntraState	14/12/2017	17.32	15/12/2017	07.02	HT	Over Voltage
karad -kolhapur-II	IntraState	14/12/2017	17.36	15/12/2017	10.48	HT	Over Voltage
Karad-Jaigad - I	IntraState	14/12/2017	17.40	15/12/2017	10.49	HT	Over Voltage
Ektuni - Taptitanda Ckt I	IntraState	15/12/2017	09.59	15/12/2017	16.08	PO	Routine Maintenance Work
Chandrapur-Parali III	IntraState	15/12/2017	10.10	15/12/2017	18.00	PO	PID WORK.
Khadka-Aurangabad (Waluj)	IntraState	15/12/2017	18.56		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	15/12/2017	18.59		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	15/12/2017	19.02		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 kv 167 MVA Spare ICT @Deepnagar	IntraState	10/12/2017	08.52		Continued.	T	Replacement of ICT-1 R-PH CT.
400/220kv, 500 Mva ICT-1 @Deepnagar	IntraState	13/12/2017	20.54		Continued.	T	Differential protection
400/220 KV 315MVA ICT II @ Parli	IntraState	14/12/2017	19.37		Continued.	EO	To attend Red Hot Spot(Shifted on TBC)
400/220/33 Kv 315 MVA ICT- 2 @Nagothane	IntraState	15/12/2017	09.20	15/12/2017	18.09	PO	OLTC OVERHAULING WORK.
400/220/33 315MVA ICT-II @Khadka	IntraState	16/12/2017	19.24	15/12/2017	23.09	EO	Attending Hot Spot
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.
Maisal-Jath I	InterState	15/12/2017	09.30	15/12/2017	12.30	PO	Quarterly Maintenance Work
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	Bunching of conductor Loc no 86 Disconnecting of jumper at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Mumewadi -Halkarni II	IntraState	17/11/2017	10.00		Continued.	PO	Tower erection work (temporarily line would be Mumewadi-Tillari)
Halkarni - Tillari II	IntraState	17/11/2017	12.25		Continued.	PO	Tower erection work. (temporarily line would be Mumewadi-Tillari)
Kharghar-Borivali ckt II	IntraState	07/12/2017	12.23		Continued.	T	Distance Protection
New Koyna - Loteparshuram	IntraState	09/12/2017	08.31		Continued.	PO	Insulator Replacement Work
Dasturi-Kandalgaon Line	IntraState	14/12/2017	14.58		Continued.	PO	Bus Outage at kandalgaon
Dahanu Ghodbunder Line 2	IntraState	15/12/2017	02.37		Continued.	T	Tripped
Niwali - Pawas Line	IntraState	15/12/2017	09.20	15/12/2017	18.31	PO	COLD WASHING OF INSULATOR STRING.
Kalwa - Mulund 1	IntraState	15/12/2017	10.07	15/12/2017	17.44	PO	Taken on TBC
Kalwa - Taloja	IntraState	15/12/2017	10.44	15/12/2017	18.28	PO	Line Maintenance work
Aurangabad - Chitegaon	IntraState	15/12/2017	11.56		Continued.	EO	Attending Hot Spot
220 KV ICT 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 15/Dec/2017

Statement-VII

Position as on 6.30 Hrs of 16/Dec/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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 200 MVA ICT-IV@Kalwa	IntraState	24/11/2017	01.58		Continued.	T	Buchholz PRV Operated(Failed on Internal Fault)
220/33kv 100 Mvatransformer 2 @Versova R/S	IntraState	04/12/2017	10.43		Continued.	PO	tf refurbishment work.
220/100 Kv 200 Mva ICT III @Kalwa	IntraState	15/12/2017	06.53	15/12/2017	08.37	PO	Attending Hot Spot
220/33 Kv 50 Mva Emco Ptr 1 @Kharghar	IntraState	15/12/2017	08.32	15/12/2017	19.18	PO	Testing Work