

State Load Despatch Center,Airoli (MSETCL) Statement I
Daily system Report for 16/Dec/2017 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	123.448	1871.950	1) Gujrat	1.427	17.598
2) Hydro	5.183	86.014	2) Madhya Pradesh	13.122	217.619
3) Gas	6.935	156.863	3) Chattisgarh	6.980	114.470
Total MSPGCL	135.566	2114.827	4) Maharashtra Net	108.068	1855.205
B) 1) APML	53.563	748.913	5) Goa (Amona)	-0.968	-14.432
2) JSWEL	18.290	262.365	Total	128.629	2190.460
3) VIPL	11.850	188.358	a) Mumbai Schedule	17.934	349.752
4) RPL(AMT)	5.000	154.199	b) Mumbai Drawl	20.790	371.744
5) WPCL	3.937	66.101	c) MSEDCL Bilateral *	28.518	566.429
6) PGPL	0.000	0.000	Include PX	-0.463	85.848
7) Other IPP	12.347	189.500	d) Mumbai Bilateral *	17.934	349.752
C) 1) TPCL Thermal	12.439	148.929	Include PX	-1.575	23.183
2) TPCL Hydro	4.748	79.238	Include Standby	0.000	0.000
3) TPCL Gas	2.634	61.579	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.201	155.466	1) MSEDCL	364.064	5735.433
D) STATE			2) Mumbai Discoms	49.812	816.956
1) Thermal	250.075	3785.781	TOTAL STATE	413.876	6552.389
(A1+C1+C4+(B1-B6))					
2) Hydro	9.931	165.252			
(A2+C2)					
3) Gas	9.569	218.442			
(A3+B6+C3)					
4) Wind	12.682	148.973			
6) SOLAR	2.990	43.481			
TOTAL STATE	285.247	4361.929			

* 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 3 Hrs
MSPGCL Thermal	5736	5702	5479	4488
MSPGCL Hydro	322	224	241	117
MSPGCL Gas	282	280	284	291
MSPGCL Total Generation	6340	6206	6004	4896
Central Sector Receipt	6076	6431	5257	4229
WIND	622	425	414	390
CPP / IPP Thermal	5003	4963	4873	3783
CPP / IPP Gas	0	0	0	0
SOLAR	448	466	0	0
Exchange with Mumbai	-1092	-1129	-1165	-427
MSEDCL DEMAND MET	17397	17362	15383	12871
Load Shedding	0	0	0	0
MSEDCL DEMAND	17397	17362	15383	12871
TPCL GENERATION	1032	925	992	631
R-INFRA GENERATION	468	480	373	376
MUMBAI DEMAND	2592	2534	2530	1434
STATE DEMAND MET	19989	19896	17913	14305
STATE DEMAND	19989	19896	17913	14305
Frequency (Hz)	50.00	49.99	50.01	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 12.03 Hrs	49.8 Hz at 06.42 Hrs	50	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 16/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	10.53	171.47	482	381
Unit 10	10.02	43.80	490	340
Total	20.55	377.61		
Bhusawal				
Unit 3	3.98	28.02	180	155
Unit 4	9.46	126.48	470	345
Unit 5	9.80	127.34	500	355
Total	23.24	281.84		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.46	72.54	194	179
Unit 7	0.00	12.88	0	0
Unit 8	3.86	62.44	168	147
Total	8.33	147.86		
Chandrapur				
Unit 3	0.00	8.28	0	0
Unit 4	0.00	10.22	0	0
Unit 5	9.79	31.83	455	341
Unit 6	8.88	142.31	395	329
Unit 7	9.83	154.89	457	347
Unit 8	0.06	143.56	62	62
Unit 9	9.71	155.71	460	346
Total	38.28	646.80		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.32	70.46	250	190
Total	5.32	70.46		
Khaparkheda				
Unit 1	2.98	3.06	135	70
Unit 2	3.93	59.72	180	150
Unit 3	0.00	0.00	0	0
Unit 4	2.93	3.34	175	0
Unit 5	10.02	152.54	468	355
Total	19.85	218.66		
Nasik				
Unit 3	3.93	64.21	195	156
Unit 4	3.94	64.51	194	158
Unit 5	0.00	0.00	0	0
Total	7.87	128.72		
Uran				
All Units	6.94	156.86	304	266
Total	6.94	156.86		
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)	0.09	3.36	26	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.09	3.36		
Koyna				
Stage 1-2	1.68	31.89	265	40
Stage 4	0.00	5.07	0	0
Stage 3	0.34	8.77	80	0
Total	2.02	45.73		
Hydro				
KDPH	0.63	4.65	37	18
VTRNA	0.00	0.02	0	0
TILLARI	0.37	5.92	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.25	4.11	70	0
RNGR+BHTSA	0.40	6.32	17	16
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.64	7.05	36	24
GHATGHAR	0.87	12.21	125	0
Total	3.16	40.29		
Wind				
Total	12.68	148.97	0	0
Total	12.68	148.97		
CPP				
APML(Mus)	53.56	748.91	0	0
JSWEL(Mus)	18.29	262.36	0	0
VIPL(Mus)	11.85	188.36	0	0
RPLAMT(Mus)	5.00	154.20	0	0
WPCL(Mus)	3.94	66.10	0	0
Other(Mus)	12.35	189.50	0	0
Total	104.99	1609.44		
SOLAR				
Total	2.99	43.48	0	0
Total	2.99	43.48		
Tata				
Trombay 5	7.59	131.64	325	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.46	37.96	63	60
Trombay 7B	1.17	23.62	50	48
Trombay 8	4.85	17.29	215	199
TATA Hydro	4.75	79.24	384	0
Total	19.82	289.75		
R-INFRA				
DTPS U-1&2	9.20	155.47	480	370
Total	9.20	155.47		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	123.45	1871.95	MSPGCL Total	135.57	2114.83
			MSPGCL Thml+Gas	130.38	2028.81	Koyna 1,2 & 4 Total	1.68	36.96
			MSPGCL Hydro	5.18	86.01	State Total	285.25	4361.93

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 16/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	4527	118	289	4934	579	3751	0	0	4552	4406	-564	13106	0	13106	1641	14747	49.99
2	4473	123	289	4885	521	3758	0	0	4110	4284	-505	12943	0	12943	1531	14474	50.00
3	4488	117	291	4896	390	3783	0	0	4093	4229	-427	12871	0	12871	1434	14305	50.02
4	4506	122	303	4931	511	3758	0	0	4301	4230	-388	13042	0	13042	1394	14436	50.05
5	4515	122	295	4932	523	3770	0	0	4889	4609	-396	13438	0	13438	1401	14839	50.05
6	4701	183	294	5178	613	3819	0	0	5126	5512	-455	14667	0	14667	1509	16176	50.01
7	5205	202	304	5711	720	4342	0	1	5853	5842	-623	15993	0	15993	1654	17647	49.95
8	5358	208	294	5860	665	4655	0	45	6137	6374	-513	17086	0	17086	1799	18885	49.99
9	5429	423	294	6146	455	4737	0	171	5990	6091	-725	16875	0	16875	2027	18902	49.92
10	5622	462	300	6384	476	4869	0	312	5773	5546	-963	16624	0	16624	2307	18931	49.96
11	5685	282	287	6254	732	4827	0	400	5976	6003	-1142	17074	0	17074	2512	19586	50.01
12	5736	322	282	6340	622	5003	0	448	6372	6076	-1092	17397	0	17397	2592	19989	50.00
13	5702	224	280	6206	425	4963	0	466	6459	6431	-1129	17362	0	17362	2534	19896	49.99
14	5646	244	288	6178	390	4787	0	416	6292	6395	-1148	17018	0	17018	2413	19431	50.04
15	5657	229	266	6152	397	4792	0	361	6285	6306	-1164	16844	0	16844	2433	19277	49.99
16	5686	223	278	6187	380	4784	0	241	6284	6138	-1158	16572	0	16572	2420	18992	49.96
17	5666	323	280	6269	391	4975	0	114	5721	6019	-1083	16685	0	16685	2414	19099	49.96
18	5672	281	282	6235	442	4961	0	15	5431	5487	-1111	16029	0	16029	2419	18448	49.98
19	5479	241	284	6004	414	4873	0	0	5398	5257	-1165	15383	0	15383	2530	17913	50.01
20	4845	245	296	5386	477	4418	0	0	5334	5543	-1142	14682	0	14682	2484	17166	50.00
21	4703	170	287	5160	519	4073	0	0	5208	5059	-1092	13719	0	13719	2309	16028	49.99
22	4726	98	291	5115	635	3769	0	0	4793	4450	-1065	12904	0	12904	2158	15062	50.01
23	4724	118	300	5142	697	3760	0	0	4142	4326	-939	12986	0	12986	2015	15001	49.99
24	4697	103	281	5081	708	3761	0	0	3992	4016	-801	12765	0	12765	1882	14647	50.02
MUs	123.45	5.18	6.93	135.57	12.68	104.99	0.00	2.99	128.51	128.63	-20.79	364.06	0.00	364.06	49.81	413.88	50.00

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 16/Dec/2017

Position as on 6.30 Hrs of 17/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 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.	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	17/12/2017	00.31	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	
CPP	IEPL Unit 1	270	22/11/2017	23.50		Continued.	Electrical fault	
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.	
IPP	RPL(AMT) U-1	270	12/12/2017	08.49		Continued.	switch gear problem (Coal shortage from 17.12.2017, 00:00hrs)	
MSPGCL	Koradi Unit 7	210	13/12/2017	00.10		Continued.	poor coal receipt.	
MSPGCL	Koradi Unit-8	660	14/12/2017	19.27		Continued.	Poor Coal Receipt	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 16/Dec/2017

Position as on 6.30 Hrs of 17/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-4	270	15/12/2017	00.01		Continued.	Coal Shortage	
MSPGCL	Uran Unit 8	108	15/12/2017	08.00	17/12/2017	11.22	Drum level low	
MSPGCL	Khaparkheda Unit 4	210	15/12/2017	22.52	16/12/2017	05.36	Furnace Pressure High	
MSPGCL	Khaparkheda Unit 1	210	17/12/2017	19.35		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Dec/2017

Statement-VII

Position as on 6.30 Hrs of 17/Dec/2017

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							
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	17/12/2017	09.33	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	17/12/2017	11.32	HT	Over Voltage
Dabhol Nagothane II	InterState	17/12/2017	09.48		Continued.	T	Emergency Work At Dabhol End.
Dhule Sar'Sarovar II	InterState	17/12/2017	17.12		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	15/12/2017	18.56	16/12/2017	07.37	HT	Over Voltage
Karad - Jaigad - II	IntraState	15/12/2017	18.59	16/12/2017	08.46	HT	Over Voltage
karad -kolhapur-I	IntraState	15/12/2017	19.02	16/12/2017	08.47	HT	Over Voltage
Parly(MS)- Nanded ckt I	IntraState	16/12/2017	10.54	16/12/2017	14.58	PO	Line Signature Test.
Khadka-Aurangabad (Waluj)	IntraState	16/12/2017	18.01	17/12/2017	08.42	HT	Over Voltage
Karad-Jaigad - I	IntraState	16/12/2017	18.09		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	16/12/2017	18.10		Continued.	HT	Over Voltage
Pune(GIS)-A'bad(Waluj) Ckt 2	IntraState	17/12/2017	08.57	17/12/2017	12.19	PO	Work Down By Powergrid.
Parly(MS)- Nanded ckt II	IntraState	17/12/2017	10.05	17/12/2017	15.54	PO	Line Maintenance work
Babhaleshwar - Padghe-II	IntraState	17/12/2017	11.34	17/12/2017	17.50	PO	Emergency Outage For Hot Spot Attending.
Khadka-Aurangabad (Waluj)	IntraState	17/12/2017	17.16		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	17/12/2017	20.34		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
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.
Talegaon(PG)-Talegaon(Ambi)-II	InterState	16/12/2017	11.25	16/12/2017	12.03	T	Due To Overload. Load Affected Nil.
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
Dasturi-Kandalgaon Line	IntraState	14/12/2017	14.58		Continued.	PO	Bus Outage At Kandalgaon And CB Work At Dasturi.
Kalwa - Borivali	IntraState	16/12/2017	08.22	16/12/2017	17.50	PO	Routine Maintenance Work
Niwali - Pawas Line	IntraState	16/12/2017	09.12	16/12/2017	17.10	PO	Line Maintenance work
Topworth - Kharghar	IntraState	16/12/2017	11.47	16/12/2017	17.00	PO	Tree Cutting.
Telco- Chinchwad	IntraState	16/12/2017	12.41	16/12/2017	18.00	PO	Half yearly maintenance work. Through TBC.
Nagothane - ACCIL	IntraState	16/12/2017	16.57	16/12/2017	18.50	PO	Attending Oil Leakage
Bableshevar - Bableshevar-II	IntraState	17/12/2017	06.19	17/12/2017	07.39	T	Distance Protection
Kalwa Salsette III	IntraState	17/12/2017	07.50	17/12/2017	14.31	PO	For Safety Purpose.

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 16/Dec/2017

Statement-VII

Position as on 6.30 Hrs of 17/Dec/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Trombay Salsette 1 Backbay	IntraState	17/12/2017	08.47	17/12/2017	18.00	PO	Closer Inspection.
Kalwa - Mulund 2	IntraState	17/12/2017	09.04	17/12/2017	16.30	PO	C T Replacement.
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 200 MVA ICT-IV@Kalwa	IntraState	24/11/2017	01.58		Continued.	T	Buchholz PRV Operated(Failed on Internal Fault)
220/132 Kv 200 Mva Vijai Ict 1 @Eklahre (Gcr)	IntraState	16/12/2017	10.03	16/12/2017	16.11	PO	Maintenance And Diagnostic Testing Work.
220/100 Kv 200 MVA ICT-II @Trombay	IntraState	16/12/2017	11.17	16/12/2017	21.37	PO	Diagnostic Testing Work.
220/22 Kv 50 Mva Vijai Ptr 2 @Urse	IntraState	17/12/2017	20.16	17/12/2017	22.30	T	Differential protection
132 KV LINE Outages/Trippings							
Ranjangaon-Whirlpool	IntraState	16/12/2017	11.43	16/12/2017	15.43	PO	Diagnostic Testing Work.