

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Dec/2017 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	124.017	2351.125	1) Gujrat	0.327	17.370
2) Hydro	4.245	107.446	2) Madhya Pradesh	10.949	260.593
3) Gas	9.691	195.507	3) Chattisgarh	6.200	139.450
Total MSPGCL	137.953	2654.078	4) Maharashtra Net	101.389	2253.278
B) 1) APLM	53.312	957.689	5) Goa (Amona)	-0.902	-18.128
2) JSWEL	16.143	329.642	Total	117.963	2652.563
3) VIPL	11.185	232.121	a) Mumbai Schedule	17.562	417.791
4) RPL(AMT)	9.556	192.569	b) Mumbai Drawl	21.894	454.752
5) WPCL	4.157	82.432	c) MSEDCL Bilateral *	23.870	668.432
6) PGPL	0.000	0.000	Include PX	-4.143	76.637
7) Other IPP	12.381	237.836	d) Mumbai Bilateral *	17.562	417.791
C) 1) TPCL Thermal	12.295	198.287	Include PX	-0.126	21.135
2) TPCL Hydro	4.993	95.100	Include Standby	0.000	0.000
3) TPCL Gas	3.690	76.525	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.219	192.278	1) MSEDCL	359.131	7166.547
D) STATE			2) Mumbai Discoms	52.090	1016.941
1) Thermal	252.265	4773.979	TOTAL STATE	411.221	8183.488
(A1+C1+C4+(B1-B6))					
2) Hydro	9.238	202.546			
(A2+C2)					
3) Gas	13.381	272.032			
(A3+B6+C3)					
4) Wind	15.164	226.856			
6) SOLAR	3.211	55.513			
TOTAL STATE	293.259	5530.926			

* 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 2 Hrs
MSPGCL Thermal	5554	5539	5377	4712
MSPGCL Hydro	463	148	165	93
MSPGCL Gas	424	331	412	423
MSPGCL Total Generation	6441	6018	5954	5228
Central Sector Receipt	6048	5988	5397	2651
WIND	519	554	546	977
CPP / IPP Thermal	5100	5009	4795	3867
CPP / IPP Gas	0	0	0	0
SOLAR	475	498	0	0
Exchange with Mumbai	-1180	-1177	-1158	-534
MSEDCL DEMAND MET	17403	16890	15534	12189
Load Shedding	0	0	0	0
MSEDCL DEMAND	17403	16890	15534	12189
TPCL GENERATION	1016	990	1080	677
R-INFRA GENERATION	490	460	376	375
MUMBAI DEMAND	2686	2627	2614	1586
STATE DEMAND MET	20089	19517	18148	13775
STATE DEMAND	20089	19517	18148	13775
Frequency (Hz)	49.97	49.93	49.99	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 02.01 Hrs	49.82 Hz at 05.38 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 20/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	11.32	213.54	566	380
Unit 10	9.20	83.84	550	301
Total	20.53	459.72		
Bhusawal				
Unit 3	4.02	43.66	180	155
Unit 4	9.74	163.50	485	350
Unit 5	9.94	165.04	490	355
Total	23.70	372.19		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.43	90.32	189	178
Unit 7	0.00	12.88	0	0
Unit 8	3.09	77.17	171	0
Total	7.52	180.37		
Chandrapur				
Unit 3	0.00	8.28	0	0
Unit 4	0.00	10.22	0	0
Unit 5	9.83	70.74	465	345
Unit 6	8.90	177.96	395	335
Unit 7	9.84	193.88	456	346
Unit 8	0.00	143.56	0	0
Unit 9	9.79	194.36	458	349
Total	38.36	799.00		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.24	91.11	252	190
Total	5.24	91.11		
Khaparkhedda				
Unit 1	3.50	10.58	155	120
Unit 2	3.78	74.67	160	150
Unit 3	0.00	0.00	0	0
Unit 4	3.85	18.74	165	156
Unit 5	9.67	190.07	500	350
Total	20.81	294.07		
Nasik				
Unit 3	3.93	79.88	197	157
Unit 4	0.00	69.94	0	0
Unit 5	3.93	4.85	194	157
Total	7.86	154.66		
Uran				
All Units	9.69	195.51	455	280
Total	9.69	195.51		
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)	0.04	4.06	22	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.04	4.06		
Koyna				
Stage 1-2	1.56	38.98	170	40
Stage 4	0.00	5.07	0	0
Stage 3	0.08	10.17	66	0
Total	1.64	54.21		
Hydro				
KDPH	0.36	6.31	18	18
VTRNA	0.35	1.92	61	0
TILLARI	0.37	7.35	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.18	4.91	40	0
RNGR+BHTSA	0.40	7.91	17	16
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.48	9.71	30	17
GHATGHAR	0.46	15.14	125	0
Total	2.61	53.23		
Wind				
Total	15.16	226.86	0	0
Total	15.16	226.86		
CPP				
APML(Mus)	53.31	957.69	0	0
JSWEL(Mus)	16.14	329.64	0	0
VIPL(Mus)	11.18	232.12	0	0
RPLAMT(Mus)	9.56	192.57	0	0
WPCL(Mus)	4.16	82.43	0	0
Other(Mus)	12.38	237.84	0	0
Total	106.73	2032.29		
SOLAR				
Total	3.21	55.51	0	0
Total	3.21	55.51		
Tata				
Trombay 5	7.47	161.65	316	300
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.24	47.08	114	67
Trombay 7B	1.45	29.44	67	52
Trombay 8	4.83	36.64	204	199
TATA Hydro	4.99	95.10	406	0
Total	20.98	369.91		
R-INFRA				
DTPS U-1&2	9.22	192.28	490	374
Total	9.22	192.28		

* Infirm Power		
Particulars	Daily (Mus)	Monthly

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	124.02	2351.12
MSPGCL Thml+Gas	133.71	2546.63
MSPGCL Hydro	4.24	107.45

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	137.95	2654.08
Koyna 1,2 & 4 Total	1.56	44.05
State Total	293.26	5530.93

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 20/Dec/2017

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS										
1	4712	98	422	5232	1111	3846	0	0	3294	2838	-624	12403	0	12403	1694	14097	49.98
2	4712	93	423	5228	977	3867	0	0	2883	2651	-534	12189	0	12189	1586	13775	50.01
3	4708	93	422	5223	962	3855	0	0	2771	2882	-535	12387	0	12387	1541	13928	49.99
4	4727	98	411	5236	860	3861	0	0	2857	3057	-513	12501	0	12501	1517	14018	49.99
5	4734	93	444	5271	864	3861	0	0	3508	3579	-519	13056	0	13056	1529	14585	49.98
6	4773	138	436	5347	836	3888	0	0	4643	4777	-607	14241	0	14241	1631	15872	49.96
7	5541	98	448	6087	756	4362	0	2	5426	5320	-687	15840	0	15840	1758	17598	49.97
8	5660	103	449	6212	675	4670	0	42	5849	6083	-679	17003	0	17003	1925	18928	49.97
9	5646	223	448	6317	493	4898	0	156	5755	6130	-746	17248	0	17248	2208	19456	49.93
10	5558	222	415	6195	374	4992	0	283	6029	6126	-986	16984	0	16984	2466	19450	49.93
11	5554	282	434	6270	544	5006	0	391	6219	6196	-1175	17232	0	17232	2632	19864	49.98
12	5554	463	424	6441	519	5100	0	475	6364	6048	-1180	17403	0	17403	2686	20089	49.97
13	5539	148	331	6018	554	5009	0	498	6303	5988	-1177	16890	0	16890	2627	19517	49.93
14	5443	125	280	5848	409	4779	0	469	6297	6389	-1168	16726	0	16726	2497	19223	49.97
15	5595	279	281	6155	343	4780	0	391	6300	6172	-1151	16690	0	16690	2516	19206	49.97
16	5429	274	311	6014	305	4822	0	308	6292	6376	-1145	16680	0	16680	2528	19208	49.97
17	5467	301	342	6110	280	4929	0	169	6020	6015	-1176	16327	0	16327	2543	18870	49.96
18	5581	134	340	6055	367	5059	0	27	5533	5311	-1121	15698	0	15698	2546	18244	49.96
19	5377	165	412	5954	546	4795	0	0	5296	5397	-1158	15534	0	15534	2614	18148	49.99
20	4922	172	431	5525	575	4393	0	0	5316	5156	-1167	14482	0	14482	2551	17033	49.99
21	4680	147	446	5273	629	4120	0	0	5154	4819	-1161	13680	0	13680	2402	16082	50.00
22	4742	143	438	5323	690	3943	0	0	4115	4193	-1030	13119	0	13119	2211	15330	50.00
23	4696	189	448	5333	731	3960	0	0	3318	3457	-918	12563	0	12563	2038	14601	49.98
24	4667	164	455	5286	764	3939	0	0	3085	3003	-737	12255	0	12255	1845	14100	49.97
MUs	124.02	4.25	9.69	137.95	15.16	106.73	0.00	3.21	118.63	117.96	-21.89	359.13	0.00	359.13	52.09	411.22	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 20/Dec/2017

Position as on 6.30 Hrs of 21/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								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	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	
RGPPL	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	Adani U-3	660	17/11/2017	20.59		Continued.	Tripped on APS Bellow Leakage	
CPP	IEPL Unit 1	270	21/11/2017	23.50	20/12/2017	19.44	Turbine bearing Vibration high	
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	
IPP	RPL(AMT) U-4	270	15/12/2017	00.01		Continued.	Coal Shortage	
MSPGCL	Uran Unit 6	108	15/12/2017	07.03	20/12/2017	14.34	Gas shortage	

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 20/Dec/2017

Position as on 6.30 Hrs of 21/Dec/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Nasik Unit 4	210	18/12/2017	09.50		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit 8	108	20/12/2017	12.22		Continued.	Bearing problem.	
MSPGCL	Parli Unit 8	250	20/12/2017	15.09	20/12/2017	19.49	Generator Protection operated	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Dec/2017

Statement-VII

Position as on 6.30 Hrs of 21/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
Dhule Sar'Sarovar I	InterState	18/12/2017	17.34	20/12/2017	15.15	HT	Over Voltage
Dabhol Newkoyna li	InterState	19/12/2017	09.46		Continued.	PO	insulator cleaning work.
Dhule Sar'Sarovar II	InterState	20/12/2017	14.59		Continued.	T	Distance Protection
Karad-Jaigad - I	IntraState	16/12/2017	18.09	20/12/2017	11.04	HT	Over Voltage
karad -kolhapur-II	IntraState	18/12/2017	06.28	20/12/2017	11.01	HT	Heavy Sparking On Isolater
Khadka-Aurangabad (Waluj)	IntraState	19/12/2017	18.54	20/12/2017	08.11	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	19/12/2017	21.57	20/12/2017	06.54	HT	Over Voltage
Padghe - Kalwa- I	IntraState	20/12/2017	08.09	20/12/2017	16.18	PO	pid testing by hot line method.
Pune(GIS)-A'bad(Waluj) Ckt 1	IntraState	20/12/2017	10.07	20/12/2017	13.37	T	ntamc integration.
Padghe - Nagothane - II	IntraState	20/12/2017	14.30	20/12/2017	15.07	T	tripped at padgha end only.
Bableshtar - Aurangabad (Waluj)	IntraState	20/12/2017	15.12	20/12/2017	18.09	PO	string replacement work.
Khadka-Aurangabad (Waluj)	IntraState	20/12/2017	19.08	21/12/2017	06.20	HT	Over Voltage
Karad - Jaigad - II	IntraState	20/12/2017	19.13		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	20/12/2017	19.17		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	20/12/2017	23.45	21/12/2017	06.21	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.
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	18/12/2017	10.56		Continued.	PO	Jumper Replacement Work.
Kharghar - Nerul	IntraState	19/12/2017	08.39	20/12/2017	02.18	PO	Line Maintenance work
Hamidwada-Mumewadi	IntraState	20/12/2017	09.17	20/12/2017	11.49	PO	tan delta testing of ct & bay maintenance.
Vsnl-512 Khadki	IntraState	20/12/2017	09.33	20/12/2017	14.04	PO	Testing Work
Paranda-Barshi	IntraState	20/12/2017	10.00	20/12/2017	13.00	PO	Quarterly Maintainance Work
Jamde-Dondaicha 1	IntraState	20/12/2017	10.22	20/12/2017	13.49	PO	Line Maintenance work
Sawantwadi-Bidri	IntraState	20/12/2017	10.45	20/12/2017	13.40	PO	Routine Maintenance Work
Nagothane - ACCIL	IntraState	20/12/2017	10.56	20/12/2017	18.35	PO	replacement of flash over disc insulator at loc.
Parli 3 (Old Gcr)-Osmanabad	IntraState	20/12/2017	11.08	20/12/2017	15.10	EO	Attending Hot Spot
Karkambh Tap Onlamboti-Vita	IntraState	20/12/2017	15.55	20/12/2017	18.33	PO	Testing Work
Babhaleshtar-Nagar-I	IntraState	20/12/2017	20.04	20/12/2017	23.46	EO	Attending Hot Spot

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 20/Dec/2017

Statement-VII

Position as on 6.30 Hrs of 21/Dec/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Kharghar Trombay	IntraState	21/12/2017	04.52	21/12/2017	05.03	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)
220/100 Kv 200 MVA ICT-IV@Kalwa	IntraState	24/11/2017	01.58		Continued.	T	Buchholz PRV Operated(Failed on Internal Fault)
220/33kV 125 MVA Transformer 1 @Saki R/S	IntraState	19/12/2017	15.43	20/12/2017	09.11	PO	Routine Maintenance Work
220/132KV 100MVA ICT-II@Shivajinagar	IntraState	20/12/2017	13.10	20/12/2017	15.55	PO	fire protection maintenance work.