

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Dec/2017 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	121.893	2473.018	1) Gujrat	0.709	18.079
2) Hydro	6.222	113.668	2) Madhya Pradesh	12.600	273.193
3) Gas	9.203	204.710	3) Chattisgarh	6.190	145.640
Total MSPGCL	137.318	2791.396	4) Maharashtra Net	100.639	2353.917
B) 1) APML	52.355	1010.044	5) Goa (Amona)	-1.056	-19.184
2) JSWEL	16.157	345.799	Total	119.082	2771.645
3) VIPL	10.036	242.157	a) Mumbai Schedule	18.146	435.937
4) RPL(AMT)	9.300	201.869	b) Mumbai Drawl	21.985	476.737
5) WPCL	4.222	86.654	c) MSEDCL Bilateral *	27.661	696.093
6) PGPL	0.000	0.000	Include PX	-4.650	71.987
7) Other IPP	15.540	253.376	d) Mumbai Bilateral *	18.146	435.937
C) 1) TPCL Thermal	12.173	210.460	Include PX	0.407	21.542
2) TPCL Hydro	4.846	99.946	Include Standby	0.000	0.000
3) TPCL Gas	3.785	80.310	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.009	201.287	1) MSEDCL	361.211	7527.758
D) STATE			2) Mumbai Discoms	51.799	1068.740
1) Thermal	250.685	5024.664	TOTAL STATE	413.010	8596.498
(A1+C1+C4+(B1-B6))					
2) Hydro	11.068	213.614			
(A2+C2)					
3) Gas	12.988	285.020			
(A3+B6+C3)					
4) Wind	15.904	242.760			
6) SOLAR	3.282	58.795			
TOTAL STATE	293.927	5824.853			

* 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	5601	5553	4865	4731
MSPGCL Hydro	522	304	587	134
MSPGCL Gas	437	315	305	467
MSPGCL Total Generation	6560	6172	5757	5332
Central Sector Receipt	6218	6149	5711	2658
WIND	715	647	557	912
CPP / IPP Thermal	4933	4919	4481	4020
CPP / IPP Gas	0	0	0	0
SOLAR	500	477	0	0
Exchange with Mumbai	-1215	-1193	-1155	-505
MSEDCL DEMAND MET	17711	17171	15351	12417
Load Shedding	0	0	0	0
MSEDCL DEMAND	17711	17171	15351	12417
TPCL GENERATION	1085	1056	1096	669
R-INFRA GENERATION	375	375	375	376
MUMBAI DEMAND	2675	2624	2626	1550
STATE DEMAND MET	20386	19795	17977	13967
STATE DEMAND	20386	19795	17977	13967
Frequency (Hz)	49.95	49.99	49.99	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 06.01 Hrs	49.81 Hz at 18.12 Hrs	49.99	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 21/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	10.57	224.11	588	380
Unit 10	9.67	93.51	460	380
Total	20.24	479.96		
Bhusawal				
Unit 3	3.80	47.45	180	155
Unit 4	9.06	172.56	460	350
Unit 5	9.10	174.14	490	345
Total	21.96	394.15		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.46	94.77	194	182
Unit 7	0.00	12.88	0	0
Unit 8	3.91	81.08	172	155
Total	8.36	188.74		
Chandrapur				
Unit 3	0.00	8.28	0	0
Unit 4	0.00	10.22	0	0
Unit 5	9.80	80.53	460	360
Unit 6	8.84	186.80	390	337
Unit 7	9.68	203.56	455	349
Unit 8	0.00	143.56	0	0
Unit 9	9.65	204.01	462	345
Total	37.96	836.96		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	4.96	96.07	231	188
Total	4.96	96.07		
Khaparkheda				
Unit 1	3.32	13.90	150	125
Unit 2	3.70	78.37	160	150
Unit 3	0.00	0.00	0	0
Unit 4	3.68	22.43	164	0
Unit 5	9.89	199.96	465	360
Total	20.59	314.66		
Nasik				
Unit 3	3.90	83.77	169	157
Unit 4	0.00	69.94	0	0
Unit 5	3.92	8.77	169	159
Total	7.82	162.48		
Uran				
All Units	9.20	204.71	487	268
Total	9.20	204.71		
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	4.14	37	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.09	4.14		
Koyna				
Stage 1-2	2.00	40.98	295	40
Stage 4	0.00	5.07	0	0
Stage 3	0.59	10.76	160	0
Total	2.60	56.81		
Hydro				
KDPH	0.00	6.31	0	0
VTRNA	1.11	3.02	61	0
TILLARI	0.37	7.72	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.22	5.13	67	0
RNGR+BHTSA	0.40	8.30	17	16
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.15	0.15	12	0
SMLHY_PTN	0.44	10.15	28	15
GHATGHAR	0.94	16.08	125	0
Total	3.62	56.86		
Wind				
Total	15.90	242.76	0	0
Total	15.90	242.76		
CPP				
APML(Mus)	52.36	1010.04	0	0
JSWEL(Mus)	16.16	345.80	0	0
VIPL(Mus)	10.04	242.16	0	0
RPLAMT(Mus)	9.30	201.87	0	0
WPCL(Mus)	4.22	86.65	0	0
Other(Mus)	15.54	253.38	0	0
Total	107.61	2139.90		
SOLAR				
Total	3.28	58.80	0	0
Total	3.28	58.80		
Tata				
Trombay 5	7.38	169.03	313	297
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.32	49.40	114	65
Trombay 7B	1.47	30.91	68	51
Trombay 8	4.80	41.43	202	199
TATA Hydro	4.85	99.95	408	0
Total	20.80	390.72		
R-INFRA				
DTPS U-1&2	9.01	201.29	377	375
Total	9.01	201.29		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	121.89	2473.02	MSPGCL Total	137.32	2791.40
			MSPGCL Thml+Gas	131.10	2677.73	Koyna 1,2 & 4 Total	2.00	46.05
			MSPGCL Hydro	6.22	113.67	State Total	293.93	5824.85

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/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	4730	134	462	5326	896	3998	0	0	3226	3238	-609	12849	0	12849	1687	14536	50.04
2	4731	134	467	5332	912	4020	0	0	3357	2658	-505	12417	0	12417	1550	13967	50.01
3	4723	139	476	5338	889	4032	0	0	2892	2818	-455	12622	0	12622	1458	14080	50.00
4	4690	139	468	5297	824	4059	0	0	2814	2903	-419	12664	0	12664	1426	14090	50.00
5	4679	144	477	5300	774	4048	0	0	3617	3434	-433	13123	0	13123	1436	14559	50.04
6	4730	139	481	5350	735	4088	0	0	4586	4567	-524	14216	0	14216	1551	15767	50.00
7	5234	144	470	5848	639	4556	0	1	5655	5540	-697	15887	0	15887	1756	17643	50.00
8	5464	224	472	6160	600	4846	0	47	5985	6091	-805	16939	0	16939	1918	18857	50.00
9	5700	186	487	6373	551	4871	0	200	6090	5932	-934	16993	0	16993	2178	19171	49.97
10	5578	235	459	6272	538	5041	0	333	5793	5653	-1037	16800	0	16800	2457	19257	49.98
11	5459	329	437	6225	630	4930	0	416	6113	6324	-1244	17281	0	17281	2643	19924	50.00
12	5601	522	437	6560	715	4933	0	500	6224	6218	-1215	17711	0	17711	2675	20386	49.95
13	5553	304	315	6172	647	4919	0	477	6124	6149	-1193	17171	0	17171	2624	19795	49.99
14	5548	257	278	6083	604	4895	0	460	6233	6064	-1175	16931	0	16931	2506	19437	50.02
15	5397	212	268	5877	528	4950	0	370	6307	6318	-1155	16888	0	16888	2530	19418	49.94
16	5304	232	278	5814	528	4909	0	307	6306	6191	-1113	16636	0	16636	2547	19183	49.97
17	5230	502	289	6021	490	4797	0	144	5980	6270	-1142	16580	0	16580	2552	19132	49.96
18	5171	662	283	6116	499	4684	0	27	5274	5467	-1093	15700	0	15700	2551	18251	49.99
19	4865	587	305	5757	557	4481	0	0	5293	5711	-1155	15351	0	15351	2626	17977	49.99
20	4733	289	338	5360	670	4186	0	0	5609	5417	-1214	14419	0	14419	2552	16971	50.01
21	4734	202	362	5298	641	4096	0	0	5140	4827	-1157	13705	0	13705	2398	16103	49.98
22	4749	177	291	5217	652	4088	0	0	4045	4163	-1010	13110	0	13110	2236	15346	49.98
23	4716	148	301	5165	672	4094	0	0	3390	3713	-913	12731	0	12731	2057	14788	49.99
24	4574	181	302	5057	713	4087	0	0	3310	3416	-788	12485	0	12485	1884	14369	49.98
MUs	121.89	6.22	9.20	137.32	15.90	107.61	0.00	3.28	119.36	119.08	-21.99	361.21	0.00	361.21	51.80	413.01	49.99

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 21/Dec/2017

Position as on 6.30 Hrs of 22/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	Adani U-3	660	17/11/2017	20.59		Continued.	Tripped on APS Bellow Leakage	
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	Nasik Unit 4	210	18/12/2017	09.50		Continued.	Boiler Tube Leakage, Not available on account of poor coal receipt from 14:00hrs of 21.12.2017	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Dec/2017

Position as on 6.30 Hrs of 22/Dec/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit 8	108	20/12/2017	12.22	21/12/2017	18.07	Bearing problem.	
MSPGCL	Uran Unit 6	108	21/12/2017	12.13	22/12/2017	03.47	Flame Failure	
MSPGCL	Uran Unit A0	120	21/12/2017	20.35		Continued.	HP Feed water pump no-2 Leakage	
MSPGCL	Uran Unit 5	108	21/12/2017	20.35		Continued.	HP feed water pump no-2 Leakage	
MSPGCL	Khaparkheda Unit 4	210	21/12/2017	22.57	22/12/2017	02.29	Furnace Pressure High	
IPP	RPL(AMT) U-2	270	22/12/2017	00.01		Continued.	zero schedule	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Dec/2017

Statement-VII

Position as on 6.30 Hrs of 22/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 Newkoyna li	InterState	19/12/2017	09.46		Continued.	PO	insulator cleaning work.
Dhule Sar'Sarovar II	InterState	20/12/2017	14.59	21/12/2017	12.55	T	Distance Protection
Dhule Sar'Sarovar II	InterState	21/12/2017	17.39		Continued.	HT	Over Voltage
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	21/12/2017	10.52	HT	Over Voltage
karad -kolhapur-I	IntraState	20/12/2017	19.17	21/12/2017	10.49	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	20/12/2017	23.45	21/12/2017	06.21	HT	Over Voltage
Chandrapur - Parli	IntraState	21/12/2017	11.20	21/12/2017	16.57	PO	Relay Testing Work
Khadka-Aurangabad (Waluj)	IntraState	21/12/2017	17.35		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	21/12/2017	17.42		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	21/12/2017	17.47		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	21/12/2017	23.48		Continued.	HT	Over Voltage
Chandrapur - Khaperkheda	IntraState	22/12/2017	02.20		Continued.	T	Distance Protection
400 KV ICT Outages/Trippings							
400/220kv, 500 Mva ICT-1 @Deepnagar	IntraState	13/12/2017	20.54	21/12/2017	13.20	T	Differential protection
400/220/33 Kv 315 MVA ICT -I @Kharghar	IntraState	21/12/2017	08.18	21/12/2017	22.14	PO	Testing Work
400/220 KV 500MVA ICT II @ Nanded	IntraState	21/12/2017	11.35	21/12/2017	17.39	PO	Testing Work
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 Trombay	IntraState	21/12/2017	04.52	21/12/2017	05.03	T	Distance Protection
Deepnagar Amalner	IntraState	21/12/2017	09.22	21/12/2017	18.23	PO	Line Maintenance work
220kv Lonand- Phaltan line	IntraState	21/12/2017	09.30	21/12/2017	13.27	PO	Testing Work
Virur - Virurlytss1	IntraState	21/12/2017	09.45	21/12/2017	11.50	PO	Maintenance work at Tss
Chakan-Bhosari	IntraState	21/12/2017	10.12	21/12/2017	13.49	PO	Testing Work
New Koyna - Niwali	IntraState	21/12/2017	10.26	21/12/2017	18.20	PO	Annual Maintenance Work
Nanded-Parbhani	IntraState	21/12/2017	10.52	21/12/2017	19.28	T	Waghala-Kumbhargaoon Under O/G
Kharghar - Nerul	IntraState	21/12/2017	10.55	21/12/2017	17.49	PO	Replacment of conductor work
Virur - Virur Rly Tss 2	IntraState	21/12/2017	12.46	21/12/2017	13.25	PO	Maintenance work at Tss
Urse - Talegaon (Ambi) Ckt 1	IntraState	21/12/2017	14.12	21/12/2017	17.52	PO	Attending Hot Spot
Lonand-Bothe	IntraState	21/12/2017	14.15	21/12/2017	16.36	PO	Testing Work

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 21/Dec/2017

Statement-VII

Position as on 6.30 Hrs of 22/Dec/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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)
220/100 kV 200 MVA ICT-II @Kalwa	IntraState	21/12/2017	06.33	21/12/2017	08.29	PO	Routine Maintenance Work
220/132-110 Kv 100mva lct 2 @Jath	IntraState	21/12/2017	10.05	21/12/2017	15.00	PO	Y-phase CT Replacement work
220/100 Kv 200MVA ICT-I @Padghe	IntraState	21/12/2017	10.55	21/12/2017	19.12	PO	Routine Maintenance Work
132 KV LINE Outages/Trippings							
Gangakhed - Kandhar	IntraState	21/12/2017	11.22	21/12/2017	19.40	T	Waghala-Kumbhargaon Under O/G