

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Dec/2017 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	118.358	2713.145	1) Gujrat	-1.463	15.411
2) Hydro	6.999	126.140	2) Madhya Pradesh	11.401	298.180
3) Gas	10.242	223.668	3) Chattisgarh	6.820	159.020
Total MSPGCL	135.599	3062.953	4) Maharashtra Net	104.419	2558.715
B) 1) APML	53.795	1116.791	5) Goa (Amona)	-0.990	-21.054
2) JSWEL	18.125	380.862	Total	120.187	3010.272
3) VIPL	11.683	264.079	a) Mumbai Schedule	18.708	470.423
4) RPL(AMT)	5.267	212.013	b) Mumbai Drawl	18.936	518.214
5) WPCL	3.947	94.596	c) MSEDCL Bilateral *	23.011	742.399
6) PGPL	0.000	0.000	Include PX	-6.748	58.215
7) Other IPP	15.867	286.363	d) Mumbai Bilateral *	18.708	470.423
C) 1) TPCL Thermal	12.482	235.227	Include PX	-0.136	21.889
2) TPCL Hydro	3.382	107.769	Include Standby	0.000	0.000
3) TPCL Gas	3.739	87.532	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.537	219.916	1) MSEDCL	359.648	8245.010
D) STATE			2) Mumbai Discoms	48.076	1168.658
1) Thermal	249.061	5522.992	TOTAL STATE	407.724	9413.668
(A1+C1+C4+(B1-B6))					
2) Hydro	10.381	233.909			
(A2+C2)					
3) Gas	13.981	311.200			
(A3+B6+C3)					
4) Wind	11.040	270.461			
6) SOLAR	3.074	64.834			
TOTAL STATE	287.537	6403.396			

* 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	5390	5497	5299	4330
MSPGCL Hydro	823	457	197	137
MSPGCL Gas	426	426	433	424
MSPGCL Total Generation	6639	6380	5929	4891
Central Sector Receipt	6127	6134	5229	3059
WIND	321	237	312	1046
CPP / IPP Thermal	5120	5094	4891	3900
CPP / IPP Gas	0	0	0	0
SOLAR	459	478	0	0
Exchange with Mumbai	-1008	-949	-1097	-463
MSEDCL DEMAND MET	17658	17374	15264	12433
Load Shedding	0	0	0	0
MSEDCL DEMAND	17658	17374	15264	12433
TPCL GENERATION	972	966	935	627
R-INFRA GENERATION	487	502	377	375
MUMBAI DEMAND	2467	2417	2409	1465
STATE DEMAND MET	20125	19791	17673	13898
STATE DEMAND	20125	19791	17673	13898
Frequency (Hz)	49.94	49.99	49.98	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 06.01 Hrs	49.72 Hz at 16.17 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 23/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	0.00	232.29	0	0
Unit 10	12.94	118.46	665	380
Total	12.94	513.10		
Bhusawal				
Unit 3	4.00	55.30	180	155
Unit 4	9.82	191.31	505	345
Unit 5	9.90	193.00	500	350
Total	23.72	439.62		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.47	103.69	190	183
Unit 7	0.00	12.88	0	0
Unit 8	3.86	88.79	167	156
Total	8.33	205.36		
Chandrapur				
Unit 3	0.00	8.28	0	0
Unit 4	0.00	10.22	0	0
Unit 5	9.88	100.27	455	350
Unit 6	8.96	204.65	395	340
Unit 7	9.85	223.18	450	352
Unit 8	0.00	143.56	0	0
Unit 9	9.67	223.24	454	349
Total	38.37	913.40		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.35	106.73	260	190
Total	5.35	106.73		
Khaparkheda				
Unit 1	3.56	20.80	155	135
Unit 2	3.82	85.95	165	155
Unit 3	0.00	0.00	0	0
Unit 4	3.80	29.53	163	152
Unit 5	10.37	220.23	490	350
Total	21.55	356.51		
Nasik				
Unit 3	4.02	91.68	200	154
Unit 4	0.00	69.94	0	0
Unit 5	4.08	16.82	195	160
Total	8.10	178.44		
Uran				
All Units	10.24	223.67	474	292
Total	10.24	223.67		
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)	0.58	5.23	49	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.58	5.23		
Koyna				
Stage 1-2	2.85	46.04	380	40
Stage 4	0.32	5.39	115	0
Stage 3	0.77	11.74	160	0
Total	3.93	63.17		
Hydro				
KDPH	0.00	6.31	0	0
VTRNA	0.92	4.45	61	0
TILLARI	0.43	8.42	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.14	5.50	77	0
RNGR+BHTSA	0.39	9.09	17	16
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.40	0	0
SMLHY_PTN	0.34	10.91	15	14
GHATGHAR	0.84	17.88	125	0
Total	3.07	62.97		
Wind				
Total	11.04	270.46	0	0
Total	11.04	270.46		
CPP				
APML(Mus)	53.80	1116.79	0	0
JSWEL(Mus)	18.12	380.86	0	0
VIPL(Mus)	11.68	264.08	0	0
RPLAMT(Mus)	5.27	212.01	0	0
WPCL(Mus)	3.95	94.60	0	0
Other(Mus)	15.87	286.36	0	0
Total	108.68	2354.70		
SOLAR				
Total	3.07	64.83	0	0
Total	3.07	64.83		
Tata				
Trombay 5	7.60	184.10	399	300
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.28	53.77	114	72
Trombay 7B	1.46	33.76	67	53
Trombay 8	4.89	51.12	247	197
TATA Hydro	3.38	107.77	294	0
Total	19.60	430.53		
R-INFRA				
DTPS U-1&2	9.54	219.92	503	322
Total	9.54	219.92		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	118.36	2713.14	MSPGCL Total	135.60	3062.95
			MSPGCL Thml+Gas	128.60	2936.81	Koyna 1,2 & 4 Total	3.17	51.43
			MSPGCL Hydro	7.00	126.14	State Total	287.54	6403.40

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/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	4322	132	434	4888	1049	3873	0	0	3372	3349	-622	12537	0	12537	1679	14216	49.93
2	4335	132	414	4881	1041	3967	0	0	3306	3060	-522	12427	0	12427	1549	13976	49.96
3	4330	137	424	4891	1046	3900	0	0	3243	3059	-463	12433	0	12433	1465	13898	50.00
4	4341	202	436	4979	979	3922	0	0	2863	3211	-411	12680	0	12680	1415	14095	49.98
5	4338	147	415	4900	816	3917	0	0	3698	3860	-423	13070	0	13070	1424	14494	49.96
6	4449	132	440	5021	670	3972	0	0	4677	4853	-517	13999	0	13999	1521	15520	49.99
7	4888	142	463	5493	633	4511	0	1	5492	5575	-595	15618	0	15618	1628	17246	49.96
8	5102	222	467	5791	562	4830	0	29	5973	6019	-657	16574	0	16574	1727	18301	49.89
9	5179	412	474	6065	423	4881	0	175	5834	5846	-586	16804	0	16804	1935	18739	49.88
10	5259	506	455	6220	429	4878	0	313	5864	6334	-838	17336	0	17336	2183	19519	49.91
11	5437	391	434	6262	389	5074	0	405	6082	5848	-1093	16885	0	16885	2382	19267	49.92
12	5390	823	426	6639	321	5120	0	459	6229	6127	-1008	17658	0	17658	2467	20125	49.94
13	5497	457	426	6380	237	5094	0	478	6242	6134	-949	17374	0	17374	2417	19791	49.99
14	5396	261	432	6089	183	4873	0	445	6395	6442	-951	17081	0	17081	2271	19352	49.96
15	5381	335	387	6103	138	4983	0	348	6268	6310	-960	16922	0	16922	2275	19197	49.93
16	5490	340	292	6122	120	5117	0	295	6158	6149	-929	16874	0	16874	2265	19139	49.92
17	5547	538	326	6411	130	5124	0	107	5724	5673	-848	16597	0	16597	2286	18883	49.88
18	5506	259	397	6162	225	5050	0	19	5332	5269	-894	15831	0	15831	2298	18129	49.94
19	5299	197	433	5929	312	4891	0	0	5241	5229	-1097	15264	0	15264	2409	17673	49.98
20	5090	227	456	5773	294	4511	0	0	5160	4835	-1087	14326	0	14326	2384	16710	49.96
21	4742	182	440	5364	229	4268	0	0	4705	4540	-1015	13386	0	13386	2267	15653	49.95
22	4348	577	456	5381	181	4092	0	0	4073	4143	-900	12897	0	12897	2107	15004	49.96
23	4356	122	467	4945	199	3930	0	0	4277	4304	-816	12562	0	12562	1943	14505	49.95
24	4336	126	448	4910	434	3906	0	0	3979	4018	-755	12513	0	12513	1779	14292	49.95
MUs	118.36	7.00	10.24	135.60	11.04	108.68	0.00	3.07	120.19	120.19	-18.94	359.65	0.00	359.65	48.08	407.72	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 23/Dec/2017

Position as on 6.30 Hrs of 24/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 U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	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	24/12/2017	21.11	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 23/Dec/2017

Position as on 6.30 Hrs of 24/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-2	270	22/12/2017	00.01		Continued.	zero schedule	
MSPGCL	Uran Unit 8	108	22/12/2017	09.39		Continued.	Turbine oil Leakage	
MSPGCL	Koradi Unit 9	660	22/12/2017	16.35		Continued.	Tripped on Rotor Earth Fault	
MSPGCL	Uran Unit 6	108	23/12/2017	14.54	23/12/2017	15.00	Damper Discrepancy	
RINFRA-G	REL Unit 1	250	23/12/2017	23.56		Continued.	Boiler Validity Extension.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Dec/2017

Statement-VII

Position as on 6.30 Hrs of 24/Dec/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Ektuni - Akola II Ckt I	IntraState	23/12/2017	12.27	23/12/2017	15.10	PO	Reactor Repair Work.
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 2	IntraState	24/12/2017	07.01		Continued.	PO	OLTC Work At Padgha End.
Chandrapur - Padghe Hvdc Pole 1	IntraState	24/12/2017	07.01		Continued.	PO	OLTC Work At Padgha End.
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	22/12/2017	17.40	23/12/2017	07.05	HT	Over Voltage
Akola Wardha li	InterState	23/12/2017	08.40	23/12/2017	19.15	PO	Insulator Replacement Work
Akola Wardha I	InterState	23/12/2017	08.40	23/12/2017	19.22	PO	Insulator Replacement Work
Dhule Sar'Sarovar II	InterState	23/12/2017	17.14	24/12/2017	08.23	HT	Over Voltage
Akola Wardha li	InterState	24/12/2017	08.20	24/12/2017	18.59	PO	Repl. Of Insulator With Polymer Insulator.
Akola Wardha I	InterState	24/12/2017	08.24	24/12/2017	18.55	PO	Insulator Replacement Work
Dhule Sar'Sarovar I	InterState	24/12/2017	17.25		Continued.	HT	Over Voltage
New Koyna -Koyna Stage IV-I	IntraState	22/12/2017	08.19	23/12/2017	10.30	PO	Cold Line Insulator washing work
karad -kolhapur-I	IntraState	22/12/2017	16.54	23/12/2017	09.03	HT	Over Voltage
Karad-Jaigad - I	IntraState	22/12/2017	16.57	23/12/2017	09.05	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	22/12/2017	17.57	23/12/2017	06.21	HT	Over Voltage
Khadka - Bableshtar	IntraState	23/12/2017	09.30	23/12/2017	17.17	PO	Isolator Alignment Work.
Chandrapur - Khaperkheda	IntraState	23/12/2017	09.41	23/12/2017	14.27	PO	Insulator Replacement Work
Kharghar-Talegaon(PG)	IntraState	23/12/2017	10.06	23/12/2017	22.26	PO	Testing Work
Akola II - RPL(Rattanindia) Ckt-II	IntraState	23/12/2017	15.20	23/12/2017	16.36	T	RPL END DT Received At Akola-2 END.
Karad-Jaigad - I	IntraState	23/12/2017	17.46	24/12/2017	10.30	HT	Over Voltage
karad -kolhapur-II	IntraState	23/12/2017	17.50	24/12/2017	10.27	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	23/12/2017	18.54	24/12/2017	08.23	HT	Over Voltage
Dhule- Bableshtar - I	IntraState	24/12/2017	10.32	24/12/2017	11.25	T	DT Sent From Bblr End.
karad -kolhapur-I	IntraState	24/12/2017	17.15		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	24/12/2017	17.18		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	24/12/2017	18.28		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33kv 315MVA ICT-I @Lonikand	IntraState	24/12/2017	10.30	24/12/2017	14.26	PO	Oil Topup 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.
Solapur(PG)- Jeur	InterState	23/12/2017	18.47	24/12/2017	04.43	T	D/P PH To Earth D-21.8Km Code:2651 Trail Taken At 19.25 Tripped On Soft.
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

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 23/Dec/2017

Statement-VII

Position as on 6.30 Hrs of 24/Dec/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							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.
Nadgaonpeth-Amravati	IntraState	22/12/2017	08.52	23/12/2017	12.53	PO	Replacement of CT
Osmanabad - Barshi	IntraState	22/12/2017	12.44		Continued.	PO	Panel Wiring work
Pophali - Kdph	IntraState	22/12/2017	20.05	23/12/2017	16.36	T	LA Burst at KDPH end
Kalwa - Mulund 1	IntraState	23/12/2017	08.45		Continued.	PO	Bay Stringing work at Mulund end.
Bhambori Amalner	IntraState	23/12/2017	09.34	23/12/2017	18.35	PO	Replacement of Insulator String
Bableshtar Ahamadnagar-I	IntraState	23/12/2017	10.15	23/12/2017	11.28	PO	Annual Maintenance Work
Boisar(M) - Ghodbunder	IntraState	23/12/2017	10.16	23/12/2017	16.28	PO	Annual Maintenance Work
Kalwa - Airoli Knowledge Park	IntraState	23/12/2017	10.19	23/12/2017	12.20	PO	Shifted on TBC at Kalwa end.
Vsnl-512 Khadki	IntraState	23/12/2017	14.09	23/12/2017	14.40	PO	Clamp Tightening 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 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-I @Borivali	IntraState	23/12/2017	07.05	23/12/2017	19.00	PO	Routine Maintenance Work

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