

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	120.811	2708.739	1) Gujrat	1.534	3.521
2) Hydro	4.854	200.888	2) Madhya Pradesh	16.357	256.308
3) Gas	10.370	231.411	3) Chattisgarh	8.520	170.110
Total MSPGCL	136.035	3141.038	4) Maharashtra Net	133.342	2781.896
B) 1) APML	39.666	1159.753	5) Goa (Amona)	-0.858	-18.282
2) JSWEL	23.490	524.421	Total	158.895	3193.553
3) VIPL	10.025	289.371	a) Mumbai Schedule	25.021	469.514
4) RPL(AMT)	12.077	310.212	b) Mumbai Drawl	26.661	575.761
5) WPCL	3.148	11.830	c) MSEDCL Bilateral *	51.070	954.582
6) PGPL	0.000	0.000	Include PX	14.445	148.254
7) Other IPP	12.125	238.019	d) Mumbai Bilateral *	25.021	469.514
C) 1) TPCL Thermal	9.914	309.070	Include PX	9.018	56.403
2) TPCL Hydro	5.463	84.459	Include Standby	0.000	0.000
3) TPCL Gas	4.373	97.097	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.800	240.350	1) MSEDCL	374.902	8520.733
D) STATE			2) Mumbai Discoms	57.211	1306.741
1) Thermal	242.056	5791.765	TOTAL STATE	432.113	9827.474
(A1+C1+C4+(B1-B6))					
2) Hydro	10.317	285.347			
(A2+C2)					
3) Gas	14.743	328.508			
(A3+B6+C3)					
4) Wind	3.085	156.461			
6) SOLAR	3.017	71.836			
TOTAL STATE	273.218	6633.917			

* 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 15 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 24 Hrs
MSPGCL Thermal	5276	5181	5218	4395
MSPGCL Hydro	195	213	690	118
MSPGCL Gas	420	409	425	445
MSPGCL Total Generation	5891	5803	6333	4958
Central Sector Receipt	8192	8268	6428	5274
WIND	92	149	94	167
CPP / IPP Thermal	4505	4273	4489	3737
CPP / IPP Gas	0	0	0	0
SOLAR	460	345	0	0
Exchange with Mumbai	-1324	-1205	-1183	-1203
MSEDCL DEMAND MET	17816	17633	16161	12933
Load Shedding	0	0	0	0
MSEDCL DEMAND	17816	17633	16161	12933
TPCL GENERATION	1132	1131	1129	488
R-INFRA GENERATION	503	504	502	376
MUMBAI DEMAND	2959	2840	2814	2067
STATE DEMAND MET	20775	20473	18975	15000
STATE DEMAND	20775	20473	18975	15000
Frequency (Hz)	50.01	49.91	50.00	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 22.01 Hrs	49.77 Hz at 06.40 Hrs	49.98	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/Nov/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	0.01	0	0
Unit 8	0.00	46.46	0	0
Unit 9	8.71	173.73	392	346
Unit 10	14.01	264.03	667	460
Total	22.72	484.24		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	8.40	196.04	355	345
Unit 5	8.49	197.81	365	350
Total	16.88	393.86		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.21	45.40	230	190
Unit 7	0.00	35.52	0	0
Unit 8	3.98	93.62	173	159
Total	9.19	174.54		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	3.20	0	0
Unit 6	9.31	209.94	405	336
Unit 7	10.33	200.77	450	359
Unit 8	10.46	204.67	465	360
Unit 9	10.22	195.90	455	356
Total	40.32	814.49		
Paras				
Unit 3	5.59	119.80	254	186
Unit 4	5.57	121.97	253	188
Total	11.15	241.77		
Khaparkheda				
Unit 1	0.00	64.88	0	0
Unit 2	0.00	73.24	0	0
Unit 3	0.00	0.00	0	0
Unit 4	3.32	85.55	186	0
Unit 5	9.10	190.83	455	350
Total	12.42	414.50		
Nasik				
Unit 3	4.06	26.45	180	158
Unit 4	4.06	96.00	182	155
Unit 5	0.00	62.90	0	0
Total	8.12	185.35		
Uran				
All Units	10.37	231.41	450	406
Total	10.37	231.41		
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)	0.03	2.89	27	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.03	2.89		
Koyna				
Stage 1-2	1.58	76.18	375	40
Stage 4	0.00	48.60	0	0
Stage 3	0.10	27.45	80	0
Total	1.67	152.22		
Hydro				
KDPH	0.86	7.41	36	35
VTRNA	0.00	0.28	0	0
TILLARI	0.37	6.58	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.32	5.11	80	0
RNGR+BHTSA	0.37	8.77	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.66	11.03	28	27
GHATGHAR	0.61	9.49	125	0
Total	3.18	48.67		
Wind				
Total	3.08	156.46	0	0
Total	3.08	156.46		
CPP				
APML(Mus)	39.67	1159.75	0	0
JSWEL(Mus)	23.49	524.42	0	0
VIPL(Mus)	10.02	289.37	0	0
RPLAMT(Mus)	12.08	310.21	0	0
WPCL(Mus)	3.15	11.83	0	0
Other(Mus)	12.12	238.02	0	0
Total	100.53	2533.61		
SOLAR				
Total	3.02	71.84	0	0
Total	3.02	71.84		
Tata				
Trombay 5	9.91	215.62	491	305
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.76	61.12	115	115
Trombay 7B	1.61	35.98	68	66
Trombay 8	0.00	93.45	0	0
TATA Hydro	5.46	84.46	459	0
Total	19.75	490.63		
R-INFRA				
DTPS U-1&2	10.80	240.35	504	376
Total	10.80	240.35		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	120.81	2708.74	MSPGCL Total	136.04	3141.04
			MSPGCL Thml+Gas	131.18	2940.15	Koyna 1,2 & 4 Total	1.58	124.77
			MSPGCL Hydro	4.85	200.89	State Total	273.22	6633.92

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/Nov/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	4558	119	443	5120	179	3750	0	0	5299	5236	-1131	13154	0	13154	2005	15159	50.00
2	4608	119	443	5170	123	3772	0	0	5225	5427	-977	13515	0	13515	1850	15365	49.99
3	4744	119	434	5297	125	3821	0	0	5152	5479	-876	13846	0	13846	1749	15595	49.98
4	4849	134	443	5426	112	3847	0	0	5199	5477	-799	14063	0	14063	1673	15736	49.95
5	5010	119	444	5573	121	3949	0	0	5523	5723	-798	14568	0	14568	1672	16240	50.00
6	5136	163	445	5744	127	4083	0	0	5912	6110	-793	15271	0	15271	1771	17042	49.99
7	5141	264	440	5845	134	4186	0	5	6911	6844	-730	16284	0	16284	1938	18222	49.90
8	5131	181	437	5749	120	4376	0	64	7106	7270	-879	16700	0	16700	2078	18778	49.90
9	5190	164	441	5795	87	4513	0	206	7016	6976	-1041	16536	0	16536	2368	18904	50.00
10	5232	217	433	5882	101	4483	0	326	6808	6867	-1237	16422	0	16422	2660	19082	49.99
11	5226	265	436	5927	82	4419	0	413	7569	7488	-1340	16989	0	16989	2866	19855	50.00
12	5276	195	420	5891	92	4505	0	460	8013	8192	-1324	17816	0	17816	2959	20775	50.01
13	5188	123	408	5719	125	4275	0	459	8189	8245	-1267	17556	0	17556	2901	20457	49.99
14	5175	128	406	5709	144	4203	0	412	8180	8237	-1172	17533	0	17533	2804	20337	49.99
15	5181	213	409	5803	149	4273	0	345	8158	8268	-1205	17633	0	17633	2840	20473	49.91
16	5201	243	422	5866	185	4496	0	222	7974	7865	-1219	17415	0	17415	2854	20269	49.96
17	5179	248	417	5844	141	4491	0	98	7608	7763	-1202	17135	0	17135	2836	19971	49.93
18	5204	253	433	5890	107	4502	0	6	6867	6849	-1153	16201	0	16201	2787	18988	49.96
19	5218	690	425	6333	94	4489	0	0	5992	6428	-1183	16161	0	16161	2814	18975	50.00
20	5184	318	429	5931	112	4358	0	0	5907	6103	-1149	15355	0	15355	2674	18029	49.99
21	5031	215	450	5696	131	4150	0	0	5842	5791	-1320	14448	0	14448	2503	16951	49.99
22	5008	128	433	5569	172	4010	0	1	5718	5584	-1345	13991	0	13991	2336	16327	50.02
23	4746	118	434	5298	155	3844	0	0	5632	5399	-1318	13378	0	13378	2206	15584	50.00
24	4395	118	445	4958	167	3737	0	0	5443	5274	-1203	12933	0	12933	2067	15000	49.97
MUs	120.81	4.85	10.37	136.03	3.08	100.53	0.00	3.02	157.24	158.90	-26.66	374.90	0.00	374.90	57.21	432.11	49.98

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/Nov/2017

Position as on 6.30 Hrs of 24/Nov/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 5	500	01/11/2017	09.20		Continued.	Annual Overhaul	
TPC_G	Trombay 8	250	18/11/2017	19.40		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	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
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-3	270	17/09/2017	00.02		Continued.	Coal Shortage	
IPP	RPL(AMT) U-5	270	17/09/2017	02.01		Continued.	Coal Shortage	
MSPGCL	Chandrapur Unit 3	210	25/10/2017	00.45		Continued.	Boiler tube leakage. Continued due to shortage of water from dt.01/11/17 0:00 hrs	
IPP	Dhariwal	300	27/10/2017	17.31		Continued.	Drum level Not Maintained	
MSPGCL	Chandrapur Unit 4	210	29/10/2017	04.45		Continued.	Auxiliary supply failure. Continued due to water shortage from dt. 01/11/17 0:00 hrs.	
MSPGCL	Bhusawal Unit 3	210	31/10/2017	22.37		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 7	210	01/11/2017	00.05		Continued.	Poor Coal Receipt.	
MSPGCL	Koradi Unit-8	660	07/11/2017	00.06		Continued.	poor coal receipt.	
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	
IPP	Adani U-3	660	17/11/2017	20.59		Continued.	Tripped on APS Bellow Leakage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 23/Nov/2017

Position as on 6.30 Hrs of 24/Nov/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Khaparkheda Unit 1	210	18/11/2017	19.19		Continued.	Coal Shortage	
IPP	Adani U-5	660	19/11/2017	20.40		Continued.	Due to heavy leakage in seal air duct.	
MSPGCL	Khaparkheda Unit 2	210	20/11/2017	12.14		Continued.	Coal Shortage	
MSPGCL	Parli Unit 7	250	20/11/2017	21.00		Continued.	Coal Shortage	
CPP	IEPL Unit 1	270	22/11/2017	23.50		Continued.	Electrical fault	
CPP	SWPGL U-3	135	23/11/2017	00.00		Continued.	Zero schedule	
MSPGCL	Khaparkheda Unit 4	210	23/11/2017	19.56	24/11/2017	00.16	Furnace Pressure High	

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

Statement-VII

Position as on 6.30 Hrs of 24/Nov/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 II	InterState	22/11/2017	18.05	23/11/2017	10.35	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	23/11/2017	18.09		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	22/11/2017	18.14	23/11/2017	10.47	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	22/11/2017	18.19	23/11/2017	07.22	HT	Over Voltage
karad -kolhapur-I	IntraState	22/11/2017	18.20	23/11/2017	10.55	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	23/11/2017	00.19	23/11/2017	07.19	HT	Over Voltage
125 MVAR Bus Reactor @ Warora	IntraState	23/11/2017	08.30	23/11/2017	19.02	PO	Diagnostic Testing Tripped On Diff. Protec. At 17:32.
Lonikand 1 - Talegaon(Pgcil)	IntraState	23/11/2017	17.26	23/11/2017	19.51	EO	EMERGENCY OUTAGE BY WRLDC
karad -kolhapur-II	IntraState	23/11/2017	18.02		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	23/11/2017	18.03		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	23/11/2017	18.13		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 500 MVA ICT-I @Lonikand 2	IntraState	23/11/2017	09.24	23/11/2017	20.11	PO	Half yearly maintenance work
400/220KV 500MVA ICT-I @Nanded	IntraState	23/11/2017	11.46	23/11/2017	18.43	PO	DIAGNOSTIC TESTING.
400/132 Kv 200 Mva Ict 2 @Khadka	IntraState	23/11/2017	18.50	24/11/2017	03.38	PO	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.
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.
Kharghar-Borivali ckt II	IntraState	07/06/2017	12.23		Continued.	T	Distance Protection RY phase fault.
Pedambe-Nerle	IntraState	23/09/2017	00.50		Continued.	T	B Phase CT Burst at Pedambe End
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)
Uran - Kharghar 2	IntraState	22/11/2017	08.38		Continued.	PO	Line Maintenance work
Dhamangaon New - Badnera	IntraState	23/11/2017	09.02	23/11/2017	18.57	PO	REPL. OF R Y B PH CTS
Mudshingi-Belewadi	IntraState	23/11/2017	09.05	23/11/2017	17.24	PO	Insulator Cleaning.
Theur-Phursungi	IntraState	23/11/2017	09.44	23/11/2017	15.50	PO	Half yearly maintenance work
Centuri Enka- Bhosari	IntraState	23/11/2017	10.01	23/11/2017	18.23	PO	CT LEAKAGE ATTENDING.
Talandage(400kv) - Five Star Midc	IntraState	23/11/2017	10.08	23/11/2017	17.47	PO	INSULATOR CLEANING
Chinchwad-Hinjewadi I	IntraState	23/11/2017	10.11	23/11/2017	16.42	HT	HT FOR LOAD MANAGEMENT.
Lonand-Baramati	IntraState	23/11/2017	11.05	23/11/2017	14.38	PO	REPLACEMENT OF FLASHOVER STRING.
Urse - Talegaon (Ambi) Ckt 1	IntraState	23/11/2017	11.20	23/11/2017	16.30	PO	DIAGNOSTIC TESTING.
Bhugaon- Wardha	IntraState	23/11/2017	15.00	23/11/2017	16.08	PO	Y PH CT HOT SPOT ATTENDING WORK
Padegaon-Sawangi	IntraState	23/11/2017	18.22	23/11/2017	18.37	PO	DISTANCE PROTECTION OPERATED ZONE 1
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 23/Nov/2017

Statement-VII

Position as on 6.30 Hrs of 24/Nov/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)
220/33kv 100 MVA Transformer 3 @Versova R/S	IntraState	16/11/2017	09:09		Continued.	PO	REFURBISHMENT OF TF UNDER SIS DPR SCHEME
220/132kv 100mva Ptr 1 @Kharepatan	IntraState	22/11/2017	03.34		Continued.	T	Differential protection
220/100 Kv 200 Mva ICT III @Kalwa	IntraState	23/11/2017	10.22	23/11/2017	17.05	PO	Routine Maintenance Work
220/22 Kv 50 Mva Ptr 2 @Chakan	IntraState	23/11/2017	10.43	23/11/2017	18.11	PO	Routine Maintenance Work
220/33 Kv 50 Mva Imp Ptr 3 @Sonkar	IntraState	23/11/2017	10.55	23/11/2017	17.55	PO	DIAGNOSTIC TESTING.
220/22 Kv 50 Mva Emco Ptr 3 @Gis Bhandup	IntraState	23/11/2017	11.30	23/11/2017	16.00	PO	DIAGNOSTIC TESTING.
220/66 Kv 150 Mva Ngef lct 1 @Gadchandur	IntraState	23/11/2017	11.50	23/11/2017	14.07	PO	MEASUREMENT OF TAN DELTA OF CT MEASUREMENT OF TAN DELTA OF ICT BUSHINGS
220/100 Kv 200 MVA ICT-IV@Kalwa	IntraState	24/11/2017	01.58		Continued.	T	BUCHHOLZ PRV OPERATED.

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