

State Load Despatch Center,Airoli (MSETCL) Statement I
Daily system Report for 02/Jan/2019 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	139.666	274.602	1) Gujrat	2.476	4.253
2) Hydro	6.845	12.073	2) Madhya Pradesh	7.005	13.006
3) Gas	7.266	14.568	3) Chattisgarh	4.350	8.170
Total MSPGCL	153.777	301.243	4) Maharashtra Net	83.062	162.971
B) 1) APML	70.711	138.003	5) Goa (Amona)	-0.242	-0.550
2) JSWEL	20.888	42.116	Total	96.651	187.850
3) VIPL	5.556	10.795	a) Mumbai Schedule	17.582	33.944
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	20.803	40.994
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	7.448	16.235
6) PGPL	0.000	0.000	Include PX	-9.587	-17.827
7) Other IPP	16.739	32.637	d) Mumbai Bilateral *	17.582	33.944
C) 1) TPCL Thermal	13.506	25.877	Include PX	-0.950	0.288
2) TPCL Hydro	3.347	5.338	Include Standby	0.000	0.000
3) TPCL Gas	4.422	8.560	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	4.934	9.564	1) MSEDCL	353.498	695.851
D) STATE			2) Mumbai Discoms	47.012	90.333
1) Thermal	272.000	533.594	TOTAL STATE	400.510	786.184
(A1+C1+C4+(B1-B6))					
2) Hydro	10.192	17.411			
(A2+C2)					
3) Gas	11.688	23.128			
(A3+B6+C3)					
4) Wind	4.215	12.935			
6) SOLAR	5.764	11.266			
TOTAL STATE	303.859	598.334			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	6147	6234	6011	5253
MSPGCL Hydro	758	402	189	90
MSPGCL Gas	299	288	293	317
MSPGCL Total Generation	7204	6924	6493	5660
Central Sector Receipt	5145	4840	4404	2669
WIND	184	213	211	227
CPP / IPP Thermal	5403	5054	4977	3919
CPP / IPP Gas	0	0	0	0
SOLAR	755	856	0	0
Exchange with Mumbai	-1114	-1258	-1059	-436
MSEDCL DEMAND MET	17577	16629	15026	12039
Load Shedding	0	0	0	0
MSEDCL DEMAND	17577	16629	15026	12039
TPCL GENERATION	1072	949	1157	682
R-INFRA GENERATION	248	215	191	190
MUMBAI DEMAND	2434	2422	2407	1308
STATE DEMAND MET	20011	19051	17433	13347
STATE DEMAND	20011	19051	17433	13347
Frequency (Hz)	50.03	49.94	49.97	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 06.01 Hrs	49.74 Hz at 07.32 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 02/Jan/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	3.70	7.51	165	125
Unit 8	0.00	0.00	0	0
Unit 9	10.66	20.23	502	331
Unit 10	8.44	17.16	430	245
Total	22.79	44.91		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	10.08	19.48	505	350
Unit 5	10.00	19.31	500	350
Total	20.08	38.80		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	4.93	9.80	249	184
Total	4.93	9.80		
Chandrapur				
Unit 3	4.39	8.77	190	165
Unit 4	4.28	8.54	185	163
Unit 5	9.32	18.51	410	363
Unit 6	9.92	19.84	455	365
Unit 7	9.34	18.43	410	356
Unit 8	10.66	20.86	480	365
Unit 9	10.78	21.08	485	375
Total	58.69	116.03		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.65	9.53	257	203
Total	5.65	9.53		
Khaparkheda				
Unit 1	3.59	7.24	185	130
Unit 2	3.36	6.93	150	115
Unit 3	3.50	7.20	162	104
Unit 4	3.16	6.77	145	118
Unit 5	9.69	19.06	450	380
Total	23.30	47.20		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	4.24	8.34	199	164
Unit 5	0.00	0.00	0	0
Total	4.24	8.34		
Uran				
All Units	7.27	14.57	320	272
Total	7.27	14.57		
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)	0.15	0.23	49	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.15	0.23		
Koyna				
Stage 1-2	2.17	4.28	270	40
Stage 4	0.28	0.28	166	0
Stage 3	0.82	1.20	160	0
Total	3.27	5.75		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.54	1.05	60	0
TILLARI	0.25	0.52	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.11	0.24	80	0
RNGR+BHTSA	0.31	0.65	13	12
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.23	0.46	10	9
SMLHY_PTN	0.46	0.96	27	17
GHATGHAR	1.69	2.44	250	0
Total	3.58	6.32		
Wind				
Total	4.22	12.94	0	0
Total	4.22	12.94		
CPP				
APML(Mus)	70.71	138.00	0	0
JSWEL(Mus)	20.89	42.12	0	0
VIPL(Mus)	5.56	10.80	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	16.74	32.64	0	0
Total	113.89	223.55		
SOLAR				
Total	5.76	11.27	0	0
Total	5.76	11.27		
Tata				
Trombay 5	8.23	15.37	472	292
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.81	5.39	118	116
Trombay 7B	1.62	3.17	68	66
Trombay 8	5.28	10.51	231	202
TATA Hydro	3.35	5.34	433	13
Total	21.28	39.78		
R-INFRA				
DTPS U-1&2	4.93	9.56	254	190
Total	4.93	9.56		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	139.67	274.60	MSPGCL Total	153.78	301.24
			MSPGCL Thml+Gas	146.93	289.17	Koyna 1,2 & 4 Total	2.45	4.55
			MSPGCL Hydro	6.84	12.07	State Total	303.86	598.33

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 02/Jan/2019

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	5282	85	318	5685	219	4017	0	0	2669	2974	-553	12342	0	12342	1421	13763	49.95
2	5253	90	317	5660	227	3919	0	0	2735	2669	-436	12039	0	12039	1308	13347	50.02
3	5236	89	310	5635	238	3923	0	0	2699	2693	-376	12113	0	12113	1250	13363	50.03
4	5238	85	320	5643	183	3920	0	0	2882	2894	-347	12293	0	12293	1219	13512	49.97
5	5147	80	320	5547	165	3928	0	0	3403	3264	-368	12536	0	12536	1239	13775	50.00
6	5345	453	319	6117	177	3971	0	0	3483	4009	-500	13774	0	13774	1373	15147	49.96
7	5917	466	320	6703	201	4692	0	4	4344	4186	-626	15160	0	15160	1573	16733	49.98
8	5970	430	320	6720	171	5305	0	75	4752	4827	-630	16468	0	16468	1776	18244	49.89
9	6054	401	308	6763	140	5466	0	329	4833	4933	-838	16793	0	16793	2039	18832	49.92
10	6068	540	314	6922	165	5464	0	571	4957	5043	-922	17243	0	17243	2278	19521	49.94
11	6147	758	299	7204	184	5403	0	755	5137	5145	-1114	17577	0	17577	2434	20011	50.03
12	6228	486	292	7006	189	5287	0	845	5274	5132	-1188	17271	0	17271	2483	19754	50.01
13	6234	402	288	6924	213	5054	0	856	5116	4840	-1258	16629	0	16629	2422	19051	49.94
14	6103	251	274	6628	216	4929	0	816	4595	4669	-1153	16105	0	16105	2304	18409	49.93
15	6016	474	284	6774	197	4893	0	698	4465	4512	-1116	15958	0	15958	2332	18290	50.01
16	6242	255	272	6769	171	4951	0	514	4519	4630	-1149	15886	0	15886	2346	18232	49.91
17	6212	133	284	6629	158	5099	0	263	4318	4171	-1136	15184	0	15184	2346	17530	49.96
18	5936	103	280	6319	122	4997	0	38	4170	4147	-1087	14536	0	14536	2346	16882	49.91
19	6011	189	293	6493	211	4977	0	0	4451	4404	-1059	15026	0	15026	2407	17433	49.97
20	6018	145	298	6461	250	4907	0	0	4437	4238	-1106	14750	0	14750	2357	17107	50.02
21	5897	244	309	6450	179	4829	0	0	3633	3803	-1132	14129	0	14129	2208	16337	49.96
22	5931	205	302	6438	88	4866	0	0	3331	3363	-1030	13725	0	13725	2032	15757	50.02
23	5787	140	312	6239	70	4738	0	0	3279	2924	-926	13045	0	13045	1853	14898	50.00
24	5394	341	313	6048	81	4361	0	0	2739	3181	-753	12918	0	12918	1666	14584	49.99
MUs	139.67	6.85	7.27	153.78	4.22	113.89	0.00	5.76	96.22	96.65	-20.80	353.50	0.00	353.50	47.01	400.51	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 02/Jan/2019

Position as on 6.30 Hrs of 03/Jan/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CPP	SWPGL U-3	135	01/11/2018	00.28		Continued.	Annual Overhaul	
MSPGCL	Nasik Unit 5	210	22/11/2018	03.50		Continued.	Boiler Tube Leakage work completed on 24/11/2018. Available against case 4 from 25/11/2018. Converted to COH from 00:00 Hrs of 05/12/2018 (for 40 Days)	
RINFRA-G	REL Unit 1	250	23/12/2018	06.06		Continued.	For COH.	
FORCED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17:08		Continued.	Economic shutdown	
IPP	SWPGL U-1	135	16/02/2016	17.09		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	
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	Uran Unit 7	108	20/07/2018	12.53		Continued.	Compressor & Turbine Blade Failure.	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	Poor Coal Receipt	
MSPGCL	Uran Unit 8	108	08/09/2018	22.08		Continued.	Withdrawn due to B0 & U-7	
MSPGCL	Paras Unit 3	250	15/09/2018	00.55		Continued.	Stator Earth Fault	
IPP	RPL(AMT) U-4	270	20/09/2018	00.01		Continued.	Zero Schedule.	
MSPGCL	Koyana Unit 4	70	03/11/2018	09.02		Continued.	Stator Earth Fault	
MSPGCL	Koyana Unit 1	70	26/11/2018	00.00		Continued.	Oil Cooler Leakage.	
IPP	SWPGL U-2	135	27/11/2018	00.00		Continued.	No Schedule.	
MSPGCL	Parli Unit 6	250	12/12/2018	00.00		Continued.	ZERO SCHEDULE.	
MSPGCL	Parli Unit 7	250	12/12/2018	00.00		Continued.	ZERO SCHEDULE.	
MSPGCL	Bhusawal Unit 3	210	14/12/2018	03.00		Continued.	Zero Schedule.	
IPP	RPL(AMT) U-1	270	14/12/2018	16.00		Continued.	Zero Schedule.	
IPP	RPL(AMT) U-3	270	14/12/2018	16.30		Continued.	Zero Schedule.	
CPP	SWPGL U-4	135	15/12/2018	00.00		Continued.	No Schedule	
MSPGCL	Koradi Unit 6	210	22/12/2018	01.18		Continued.	Bearing Temperature high	
IPP	RPL(AMT) U-2	270	27/12/2018	19.30		Continued.	Zero Schedule.	
IPP	RPL(AMT) U-5	270	28/12/2018	19.30		Continued.	Zero Schedule.	
MSPGCL	Nasik Unit 3	210	28/12/2018	22.05		Continued.	Zero Schedule.	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage	
MSPGCL	Koradi Unit-8	660	29/12/2018	23.01		Continued.	FOR BOILER VALIDITY EXTENSION PCR.	
MSPGCL	Koradi Unit 9	660	03/01/2019	16.16	03/01/2019	18.25	M.S.Temp Low Protection	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jan/2019

Statement-VII

Position as on 6.30 Hrs of 03/Jan/2019

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	24/12/2018	18.09		Continued.	HT	Over Voltage
Waluj Aurangabad(PG)- I	InterState	01/01/2019	22.20	02/01/2019	21.03	PO	AMP Work by Power Grid
Waluj Aurangabad(PG)- I	InterState	03/01/2019	09.45		Continued.	PO	AMP of Bay and Line Reactor at PG end
Karad-Jaigad - I	IntraState	29/12/2018	17.31	03/01/2019	09.49	HT	Over Voltage
Koradi-RattanIndia	IntraState	29/12/2018	21.40	02/01/2019	11.48	T	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	01/01/2019	18.12	02/01/2019	09.18	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	01/01/2019	20.14	02/01/2019	09.15	HT	Over Voltage
Padghe - Nagothane - I	IntraState	02/01/2019	01.25	02/01/2019	09.34	HT	Over Voltage
Chandrapur II - Chandrapur ckt 2	IntraState	02/01/2019	09.23	02/01/2019	16.30	PO	Replacement of Broken Conductor
Koradi-Khaperkheda li	IntraState	02/01/2019	12.40	02/01/2019	15.50	EO	R-PH Current showing Zero AMPS
Khadka-Aurangabad (Waluj)	IntraState	02/01/2019	17.10	03/01/2019	09.54	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	03/01/2019	00.00	03/01/2019	09.44	HT	Over Voltage
Padghe - Nagothane - I	IntraState	03/01/2019	11.30		Continued.	PO	New Line Tower Erection work
Padghe - Nagothane - II	IntraState	03/01/2019	11.30		Continued.	PO	New Line Tower Erection work
Bhusawal-Aurangabad	IntraState	03/01/2019	18.27		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	03/01/2019	18.45		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	03/01/2019	23.52		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 Mva ICT 1 @Padghe	IntraState	15/11/2018	10.07		Continued.	T	Differential protection, Declared Faulty.
400/220/33kv 500MVA ICT 5 @ Padghe	IntraState	25/11/2018	00.54	03/01/2019	23.20	T	NDR ALARM CHANGED ON HUMMING AT (30-12-2018 AT 18.21.)
400/220kv 315MVA ICT-I@Parly	IntraState	24/12/2018	15.40		Continued.	PO	Replacement Of B-PH Unit By Re pared One.
400/220/33kv, 500 Mva Ict-2 @Khaparkheda	IntraState	03/01/2019	11.33	03/01/2019	19.48	PO	High Insulation coating
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	For Bunching Of Conductor at Loc No.86 Disconnecting Of jumper at Loc No.86 to 107 And Deenergising The Line Between Loc No.86 To 107.
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To control line loading.
Kalwa-TIFIL	IntraState	27/11/2018	06.06		Continued.	EO	Tapping Of Tifil Substation On 220KV Kharghar-Borivali Line
Padgha - Temghar I	IntraState	03/12/2018	08.15		Continued.	EO	To control load on Padgha ICTs.
Padgha-Temghar-II	IntraState	03/12/2018	08.15		Continued.	EO	To control load on Padgha ICTs.
Trombay - Kalwa	IntraState	24/12/2018	14.50		Continued.	PO	For Replacement Of Rusted Tower.
Trombay - Mulund	IntraState	24/12/2018	15.14	03/01/2019	22.04	PO	For Replacement Of Rusted Tower.
Taloja II - OCIL-I	IntraState	31/12/2018	10.50		Continued.	PO	REPLACEMENT OF METERING CT & PT & AT OCIL END.
Goregaon Aarey Line 2	IntraState	02/01/2019	07.39	02/01/2019	12.31	PO	Diversion of Line on monopole

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 02/Jan/2019

Statement-VII

Position as on 6.30 Hrs of 03/Jan/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							26B
Sonkhar - Trombay	IntraState	02/01/2019	07.43	02/01/2019	09.21	T	Tripped at sonkher end only
Eklahare (Gcr) - Airoli Know Park	IntraState	02/01/2019	09.04	02/01/2019	19.24	PO	Shifting of OPGW Cable To Newly Erected Tower
Pophali - Nerale	IntraState	02/01/2019	09.05	02/01/2019	18.40	PO	Insulator Washing
Ghatghar - Bapgaon	IntraState	02/01/2019	09.20	02/01/2019	19.17	PO	Shifting of OPGW Cable To Newly Erected Tower
Main Bus I @ Dahanu	IntraState	02/01/2019	09.33	02/01/2019	19.59	PO	Annual Maintenance Work
Chinchwad- Parvati	IntraState	02/01/2019	09.43	02/01/2019	17.34	PO	Work of SSN-DSN
Lamboti - Solapur li(Bale) Ckt- I	IntraState	02/01/2019	10.09	02/01/2019	13.03	PO	Quarterly Maintenance Work
Tembhurni - Jeur	IntraState	02/01/2019	10.18	02/01/2019	15.09	PO	Quarterly Maintenance Work
Koradi-Ambazari-I	IntraState	02/01/2019	10.18	02/01/2019	13.40	PO	Replacement Of Line Insulators.
Peth- Mudshingi -I	IntraState	02/01/2019	10.32	02/01/2019	12.55	PO	Quarterly Maintenance Work
Purti-Bhugaon	IntraState	02/01/2019	10.53	02/01/2019	18.35	PO	Nut Bolt Tightening And Jumper Replacement Work.
Flagship-Chinchwad	IntraState	02/01/2019	12.26	02/01/2019	17.35	PO	Work of SSN-DSN
Phursungi-Parvati	IntraState	03/01/2019	09.01	03/01/2019	16.56	PO	Half yearly maintenance work
Dahanu Ghodbunder Line 2	IntraState	03/01/2019	09.24	03/01/2019	20.08	PO	Line Maintenance work
Pophali - Nerale	IntraState	03/01/2019	09.25	03/01/2019	18.05	PO	Insulator washing
Bhosari 2 - Telco	IntraState	03/01/2019	09.47	03/01/2019	18.38	PO	SSN-DSN work
Jejuri (400 Kv)-Jejuri- I	IntraState	03/01/2019	10.25	03/01/2019	14.55	PO	Replacement of R and Y Phase LA
Ranjangaon-Lonikand	IntraState	03/01/2019	11.45	03/01/2019	19.26	EO	To attend Hot Spot
Dasturi-Kandalgaon Line	IntraState	03/01/2019	17.44	03/01/2019	20.45	EO	Flash Insulator replacement
132 KV LINE Outages/Trippings							
Padegaon-Pishor	IntraState	02/01/2019	10.19	02/01/2019	22.04	T	Y-PH CT BURST AT PISHOR END.

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