

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 04/Jan/2018 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	133.031	513.484	1) Gujrat	-0.400	3.551
2) Hydro	10.312	35.302	2) Madhya Pradesh	12.492	49.571
3) Gas	10.742	43.232	3) Chattisgarh	5.860	22.880
Total MSPGCL	154.085	592.018	4) Maharashtra Net	99.923	387.932
B) 1) APML	54.953	200.974	5) Goa (Amona)	-0.902	-3.674
2) JSWEL	18.177	70.655	Total	116.973	460.260
3) VIPL	12.332	48.537	a) Mumbai Schedule	21.482	71.524
4) RPL(AMT)	5.582	21.650	b) Mumbai Drawl	24.129	77.582
5) WPCL	4.238	15.136	c) MSEDCL Bilateral *	14.940	59.376
6) PGPL	0.000	0.000	Include PX	-2.640	-8.700
7) Other IPP	12.405	50.072	d) Mumbai Bilateral *	21.482	71.524
C) 1) TPCL Thermal	5.244	37.460	Include PX	3.593	3.917
2) TPCL Hydro	5.728	16.108	Include Standby	0.000	0.000
3) TPCL Gas	3.768	16.482	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.384	41.052	1) MSEDCL	360.622	1408.959
D) STATE			2) Mumbai Discoms	49.253	188.688
1) Thermal	256.346	999.020	TOTAL STATE	409.875	1597.647
(A1+C1+C4+(B1-B6))					
2) Hydro	16.040	51.410			
(A2+C2)					
3) Gas	14.510	59.714			
(A3+B6+C3)					
4) Wind	3.003	14.957			
6) SOLAR	3.003	12.282			
TOTAL STATE	292.902	1137.383			

* 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	6100	5932	5413	5095
MSPGCL Hydro	819	670	260	109
MSPGCL Gas	458	456	413	458
MSPGCL Total Generation	7377	7058	6086	5662
Central Sector Receipt	5876	5901	5244	3629
WIND	79	99	112	146
CPP / IPP Thermal	4903	4903	4731	3827
CPP / IPP Gas	0	0	0	0
SOLAR	465	469	0	0
Exchange with Mumbai	-1193	-1187	-1312	-615
MSEDCL DEMAND MET	17507	17243	14861	12649
Load Shedding	0	0	0	0
MSEDCL DEMAND	17507	17243	14861	12649
TPCL GENERATION	858	826	790	364
R-INFRA GENERATION	504	503	377	377
MUMBAI DEMAND	2555	2516	2479	1356
STATE DEMAND MET	20062	19759	17340	14005
STATE DEMAND	20062	19759	17340	14005
Frequency (Hz)	49.97	49.96	49.94	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 12.00 Hrs	49.73 Hz at 08.18 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 04/Jan/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	3.48	14.07	155	135
Unit 8	12.16	47.26	595	455
Unit 9	4.58	4.58	547	0
Unit 10	11.90	45.30	540	385
Total	32.11	111.21		
Bhusawal				
Unit 3	4.27	16.66	205	155
Unit 4	9.77	39.22	495	350
Unit 5	9.84	39.44	500	345
Total	23.88	95.32		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	3.58	16.90	191	0
Unit 7	0.00	0.00	0	0
Unit 8	3.86	15.59	171	151
Total	7.44	32.49		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	10.16	40.18	460	354
Unit 6	4.81	22.82	390	0
Unit 7	9.93	39.18	453	355
Unit 8	0.00	0.00	0	0
Unit 9	9.82	39.11	466	351
Total	34.72	141.28		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.36	21.41	251	189
Total	5.36	21.41		
Khaparkheda				
Unit 1	2.56	5.84	165	0
Unit 2	3.99	15.96	180	160
Unit 3	0.00	0.00	0	0
Unit 4	4.19	16.00	190	161
Unit 5	10.31	40.25	500	355
Total	21.04	78.05		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	4.28	16.92	200	160
Unit 5	4.20	16.80	197	156
Total	8.48	33.72		
Uran				
All Units	10.74	43.23	472	393
Total	10.74	43.23		
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)	0.46	1.58	50	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.46	1.58		
Koyna				
Stage 1-2	3.10	10.04	420	40
Stage 4	1.84	4.72	460	0
Stage 3	1.18	3.69	160	0
Total	6.12	18.44		
Hydro				
KDPH	0.44	2.11	19	18
VTRNA	0.87	3.37	61	0
TILLARI	0.37	1.58	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.28	0.62	80	0
RNGR+BHTSA	0.38	1.51	16	15
BHANDARDRA	0.01	0.01	7	0
ELDARY	0.00	0.33	0	0
SMLHY_PTN	0.75	3.27	42	28
GHATGHAR	1.10	4.06	125	0
Total	4.19	16.86		
Wind				
Total	3.00	14.96	0	0
Total	3.00	14.96		
CPP				
APML(Mus)	54.95	200.97	0	0
JSWEL(Mus)	18.18	70.66	0	0
VIPL(Mus)	12.33	48.54	0	0
RPLAMT(Mus)	5.58	21.65	0	0
WPCL(Mus)	4.24	15.14	0	0
Other(Mus)	12.40	50.07	0	0
Total	107.69	407.02		
SOLAR				
Total	3.00	12.28	0	0
Total	3.00	12.28		
Tata				
Trombay 5	0.00	16.69	0	0
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.31	10.32	114	65
Trombay 7B	1.46	6.16	67	50
Trombay 8	5.24	20.77	249	198
TATA Hydro	5.73	16.11	443	0
Total	14.74	70.05		
R-INFRA				
DTPS U-1&2	10.38	41.05	504	375
Total	10.38	41.05		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	133.03	513.48	MSPGCL Total	154.08	592.02
			MSPGCL Thml+Gas	143.77	556.72	Koyna 1,2 & 4 Total	4.94	14.76
			MSPGCL Hydro	10.31	35.30	State Total	292.90	1137.38

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 04/Jan/2018

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	5040	114	454	5608	67	3818	0	0	3636	3818	-794	12517	0	12517	1533	14050	49.95
2	5027	104	460	5591	125	3811	0	0	3659	3803	-674	12656	0	12656	1415	14071	49.99
3	5095	109	458	5662	146	3827	0	0	3698	3629	-615	12649	0	12649	1356	14005	49.99
4	5109	114	472	5695	123	3813	0	0	3731	3690	-583	12738	0	12738	1323	14061	49.96
5	5174	104	460	5738	135	3831	0	0	3995	4106	-600	13210	0	13210	1338	14548	49.97
6	5616	104	471	6191	168	4331	0	0	4669	4715	-733	14672	0	14672	1471	16143	49.95
7	5893	304	460	6657	200	4680	0	2	5323	5362	-920	15981	0	15981	1672	17653	49.90
8	6126	916	462	7504	183	4882	0	36	5368	5344	-873	17076	0	17076	1876	18952	49.88
9	6156	958	472	7586	123	5073	0	156	5009	5105	-901	17142	0	17142	2129	19271	49.86
10	6087	1094	460	7641	73	4999	0	301	5201	5260	-1096	17178	0	17178	2391	19569	49.94
11	6148	1021	441	7610	101	4982	0	399	5390	5430	-1197	17325	0	17325	2535	19860	49.97
12	6100	819	458	7377	79	4903	0	465	5870	5876	-1193	17507	0	17507	2555	20062	49.97
13	5932	670	456	7058	99	4903	0	469	5766	5901	-1187	17243	0	17243	2516	19759	49.96
14	5786	742	429	6957	82	4856	0	427	5463	5737	-1139	16920	0	16920	2403	19323	49.99
15	5803	857	421	7081	87	4845	0	320	5494	5467	-1152	16648	0	16648	2425	19073	49.94
16	5843	555	433	6831	84	5019	0	273	5329	5475	-1140	16542	0	16542	2435	18977	49.96
17	5711	388	426	6525	109	4986	0	125	5356	5310	-1092	15963	0	15963	2442	18405	49.95
18	5512	168	430	6110	121	4953	0	30	5442	5109	-1197	15126	0	15126	2422	17548	49.95
19	5413	260	413	6086	112	4731	0	0	5231	5244	-1312	14861	0	14861	2479	17340	49.94
20	5523	217	393	6133	166	4541	0	0	4995	5147	-1274	14713	0	14713	2424	17137	49.94
21	5038	216	458	5712	161	4201	0	0	4642	4698	-1205	13567	0	13567	2304	15871	49.99
22	4980	166	439	5585	132	4081	0	0	4500	4489	-1177	13110	0	13110	2114	15224	50.01
23	5010	171	452	5633	167	3862	0	0	3999	4294	-1093	12863	0	12863	1936	14799	49.94
24	4909	141	464	5514	160	3759	0	0	3983	3964	-982	12415	0	12415	1759	14174	49.97
MUs	133.03	10.31	10.74	154.09	3.00	107.69	0.00	3.00	115.75	116.97	-24.13	360.62	0.00	360.62	49.25	409.87	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 04/Jan/2018

Position as on 6.30 Hrs of 05/Jan/2018

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	
TPC-G	Trombay 5	500	02/01/2018	23.48		Continued.	Boiler Recertification Work.	
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 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	
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)Converted to zero schedule w.e.f 01.01.2018, 00:00hrs	
IPP	RPL(AMT) U-4	270	15/12/2017	00.01		Continued.	Coal Shortage (Converted to zero schedule w.e.f 01.01.2018, 00:00Hrs)	
IPP	RPL(AMT) U-2	270	22/12/2017	00.01		Continued.	zero schedule	
MSPGCL	Koradi Unit 9	660	22/12/2017	16.35	04/01/2018	11.29	Tripped on Rotor Earth Fault	
CENT.SECTOR	Tarapur 2	160	26/12/2017	10.51		Continued.	commission of venting	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 04/Jan/2018

Position as on 6.30 Hrs of 05/Jan/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
							system.	
MSPGCL	Nasik Unit 3	210	27/12/2017	04.30		Continued.	BTL, not available on account of PCR w.e.f 30.12.2017 at 18:00Hrs	
MSPGCL	Uran Unit 8	108	30/12/2017	14.24	04/01/2018	11.49	Thrust Bearing Trip	
CPP	IEPL Unit 1	270	30/12/2017	23.58		Continued.	No Schedule	
IPP	Adani U-2	660	02/01/2018	15.26		Continued.	HPBP Bonnet leakage	
MSPGCL	Chandrapur Unit 6	500	04/01/2018	13.30		Continued.	Water Shortage	
MSPGCL	Parli Unit 6	250	04/01/2018	16.21	04/01/2018	19.04	turbine gland filling valve malfunction.	
MSPGCL	Khaparkheda Unit 1	210	04/01/2018	16.42		Continued.	Coal Shortage	
MSPGCL	Uran Unit 8	108	04/01/2018	19.38		Continued.	due to vibration.	
TPC_G	Trombay 8	250	05/01/2018	05.52		Continued.	Turbine bearing temperature high.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Jan/2018

Statement-VII

Position as on 6.30 Hrs of 05/Jan/2018

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	03/01/2018	17.15	04/01/2018	07.16	HT	Over Voltage
Lamboti - Solapur (PG)	InterState	04/01/2018	08.19	04/01/2018	18.20	PO	insulator replacement work.
Akola Wardha I	InterState	04/01/2018	09.20	04/01/2018	19.22	PO	Line Maintenance work
Dhule Sar'Sarovar II	InterState	04/01/2018	17.06		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	01/01/2018	18.05		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	03/01/2018	08.48	03/01/2018	Continued.	PO	replacement of line insulators RFC-19.18.
Karad - Jaigad - II	IntraState	03/01/2018	16.41		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	03/01/2018	17.04	04/01/2018	09.15	HT	Over Voltage
Main Bus-II @ Koradi III	IntraState	04/01/2018	09.59	04/01/2018	18.33	PO	bus equipment maintenance work.
Bableshtar - Aurangabad (Waluj)	IntraState	04/01/2018	17.15	04/01/2018	18.03	PO	attending gas leakage in br.
Khadka-Aurangabad (Waluj)	IntraState	04/01/2018	18.30		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 MVA ICT -I @Kharghar	IntraState	04/01/2018	08.05	04/01/2018	19.32	PO	Routine Maintenance Work
400/220 Kv 315 MVA ICT-II @Chakan	IntraState	04/01/2018	10.46	04/01/2018	18.25	PO	Routine Maintenance 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.
Khaparkheda-Butibori 3	InterState	04/01/2018	11.10	04/01/2018	14.56	PO	Tan Delta Measurment of CTs
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	01/01/2018	08.44		Continued.	PO	Conductor replacement work at LOC no 92-94.
Parli(U-VIII) GCR CKT	IntraState	03/01/2018	12.07	04/01/2018	01.36	T	attending ct oil leakage.
Parli 2-(Girwali) -Murud	IntraState	03/01/2018	18.56	04/01/2018	14.01	T	as epr sldc instruction.
Adlabs - Pedambe	IntraState	04/01/2018	00.23	04/01/2018	01.25	T	Distance Protection
Mahad - Pedambe	IntraState	04/01/2018	00.23	04/01/2018	21.18	T	Distance Protection
Adlabs - Pedambe	IntraState	04/01/2018	02.45	04/01/2018	21.45	T	Distance Protection
Hinjawadi I- Chinchwad	IntraState	04/01/2018	08.05	04/01/2018	19.32	PO	for load management.
Chakan-Chinchwad	IntraState	04/01/2018	08.18	04/01/2018	19.22	PO	double jumpring of cut point tower.
Mahape - TIFIL	IntraState	04/01/2018	08.44	04/01/2018	18.29	PO	jumper replacement work.
Lonand-Baramati	IntraState	04/01/2018	09.02	04/01/2018	14.24	PO	Routine Maintenance Work
Shivajinagar-Gangapur	IntraState	04/01/2018	10.36	04/01/2018	11.05	T	Distance Protection
Adlabs - Pedambe	IntraState	05/01/2018	06.24		Continued.	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

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 04/Jan/2018

Statement-VII

Position as on 6.30 Hrs of 05/Jan/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							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 100MVA ICT-1@Anjangaon	IntraState	01/01/2018	12.47		Continued.	T	OSR tripped, LV directional E/F.
200/132KV 100MVA ICT-1@Butibori	IntraState	02/01/2018	20.00	04/01/2018	00.47	PO	oil filtration work.
220/132 Kv 100 Mva Ict 2 @Tuljapur	IntraState	04/01/2018	11.03	04/01/2018	15.52	PO	Tan Delta Measurment of CTs
220/132 Kv 200mva Cgl Ptr No 3 @Chinchwad	IntraState	04/01/2018	11.12	04/01/2018	17.26	PO	Routine Maintenance Work
220/132KV 100MVA ICT-1@Ranjangaon	IntraState	04/01/2018	12.47	04/01/2018	15.28	T	lv side directional e/f osr tripped.
220/132 Kv 100 Mva Cgl Ict 2 @Ranjangaon	IntraState	04/01/2018	15.50	04/01/2018	19.32	PO	Testing Work
220/132kv 100MVA ICT-II @Alephata	IntraState	04/01/2018	18.15	04/01/2018	22.27	EO	Attending Hot Spot

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