

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 04/Mar/2019 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	124.443	501.037	1) Gujrat	1.341	7.548
2) Hydro	7.746	27.461	2) Madhya Pradesh	17.684	67.703
3) Gas	7.030	28.313	3) Chattisgarh	5.820	22.410
Total MSPGCL	139.219	556.811	4) Maharashtra	111.281	439.102
B) 1) APLM	70.097	280.075	5) Goa (Amona)	-0.352	-1.474
2) JSWEL	20.597	79.396	Total	135.774	535.289
3) VIPL	0.000	0.000	a) Mumbai Schedule	18.024	71.181
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	20.911	79.658
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	13.819	45.655
6) Other IPP	12.380	48.689	Include PX	-0.287	-7.206
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	18.024	71.181
C) 1) TPCL Thermal	13.539	53.800	Include PX	6.734	28.349
2) TPCL Hydro	3.243	11.433	Standby	0.000	0.000
3) TPCL Gas	4.166	16.931	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.851	39.329	1) MSEDCL	383.300	1505.109
D) STATE			2) Mumbai Discoms	51.710	201.152
1) Thermal	250.907	1002.326	TOTAL STATE	435.010	1706.261
(A1+C1+C4+(B1-B6))					
2) Hydro	10.989	38.894			
(A2+C2)					
3) Gas	11.196	45.244			
(A3+B7+C3)					
4) Wind	18.793	55.022			
6) SOLAR	7.351	29.485			
TOTAL STATE	299.236	1170.971			

* 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 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5729	5719	4985	4739
MSPGCL Hydro	651	450	532	148
MSPGCL Gas	288	288	288	304
MSPGCL Total Generation	6668	6457	5805	5191
Central Sector Receipt	6428	6049	5711	5211
WIND	460	801	1039	518
CPP / IPP Thermal	4721	4642	3931	4040
CPP / IPP Gas	0	0	0	0
SOLAR	1006	1024	0	0
Exchange with Mumbai	-1082	-1161	-1152	-497
MSEDCL DEMAND MET	18201	17812	15334	14463
Load Shedding	0	0	0	0
MSEDCL DEMAND	18201	17812	15334	14463
TPCL GENERATION	1093	994	936	647
AEML GENERATION	502	446	373	372
MUMBAI DEMAND	2677	2601	2461	1516
STATE DEMAND MET	20878	20413	17795	15979
STATE DEMAND	20878	20413	17795	15979
Frequency (Hz)	50.08	50.07	50.01	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 12.00 Hrs	49.75 Hz at 09.05 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 04/Mar/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.82	15.18	170	150
Unit 7	0.00	0.00	0	0
Unit 8	9.44	40.68	454	320
Unit 9	8.16	8.16	434	16
Unit 10	10.55	43.80	470	400
Total	31.97	107.82		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	9.66	37.78	500	350
Unit 5	9.62	37.84	500	350
Total	19.28	75.62		
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	0.00	0.00	0	0
Total	0.00	0.00		
Chandrapur				
Unit 3	4.26	17.33	194	163
Unit 4	4.20	16.86	187	163
Unit 5	9.46	38.15	430	359
Unit 6	0.00	0.00	0	0
Unit 7	0.00	22.23	0	0
Unit 8	10.46	42.17	490	360
Unit 9	10.14	41.04	480	365
Total	38.53	177.78		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.52	22.44	250	190
Total	5.52	22.44		
Khaparkheda				
Unit 1	3.83	15.62	180	125
Unit 2	3.84	14.86	170	130
Unit 3	3.84	15.70	178	145
Unit 4	3.88	15.77	180	155
Unit 5	9.60	39.13	450	380
Total	24.98	101.08		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	4.16	16.29	207	158
Unit 5	0.00	0.00	0	0
Total	4.16	16.29		
Uran				
All Units	7.03	28.31	306	276
Total	7.03	28.31		
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)	0.00	0.10	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.00	0.10		
Koyna				
Stage 1-2	2.73	9.04	370	40
Stage 4	0.00	0.33	0	0
Stage 3	0.52	2.30	80	0
Total	3.25	11.67		
Hydro				
KDPH	0.89	2.11	37	37
VTRNA	0.85	3.33	61	0
TILLARI	0.00	0.00	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.10	0.66	80	0
RNGR+BHTSA	0.32	1.24	14	13
BHANDARDRA	0.46	1.87	41	10
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.21	0.67	9	8
GHATGHAR	1.66	5.92	250	0
Total	4.49	15.79		
Wind				
Total	18.79	55.02	0	0
Total	18.79	55.02		
CPP				
APML(Mus)	70.10	280.08	0	0
JSWEL(Mus)	20.60	79.40	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	12.38	48.69	0	0
Total	103.07	408.16		
SOLAR				
Total	7.35	29.48	0	0
Total	7.35	29.48		
Tata				
Trombay 5	8.58	33.45	482	310
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.62	10.69	117	75
Trombay 7B	1.54	6.24	67	54
Trombay 8	4.96	20.35	218	200
TATA Hydro	3.24	11.43	255	0
Total	20.95	82.16		
AEML				
DTPS U-1&2	9.85	39.33	503	372
Total	9.85	39.33		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	124.44	501.04	MSPGCL Total	139.22	556.81
			MSPGCL Thml+Gas	131.47	529.35	Koyna 1,2 & 4 Total	2.73	9.37
			MSPGCL Hydro	7.75	27.46	State Total	299.24	1170.97

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 04/Mar/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	4935	184	294	5413	476	4174	0	0	5223	5241	-667	14637	0	14637	1754	16391	50.04
2	5046	108	306	5460	431	4204	0	0	5301	5129	-560	14664	0	14664	1632	16296	49.97
3	4673	118	295	5086	596	4052	0	0	5198	5342	-528	14548	0	14548	1559	16107	50.01
4	4739	148	304	5191	518	4040	0	0	5106	5211	-497	14463	0	14463	1516	15979	50.03
5	5066	183	293	5542	497	4102	0	0	5211	5045	-504	14682	0	14682	1521	16203	49.94
6	5279	148	293	5720	540	4495	0	0	5260	5532	-542	15745	0	15745	1637	17382	49.90
7	5617	368	305	6290	438	4734	0	6	5619	5655	-489	16634	0	16634	1772	18406	50.00
8	5619	537	294	6450	382	4716	0	133	5931	6148	-517	17312	0	17312	1956	19268	50.02
9	5697	702	291	6690	378	4728	0	419	5918	6095	-714	17596	0	17596	2233	19829	49.90
10	5679	682	291	6652	339	4737	0	703	5926	5863	-928	17366	0	17366	2492	19858	49.94
11	5672	615	290	6577	366	4735	0	870	6087	6470	-1067	17951	0	17951	2662	20613	50.06
12	5729	651	288	6668	460	4721	0	1006	6174	6428	-1082	18201	0	18201	2677	20878	50.08
13	5719	450	288	6457	801	4642	0	1024	6172	6049	-1161	17812	0	17812	2601	20413	50.07
14	5203	233	286	5722	941	4523	0	991	5831	5909	-1156	16930	0	16930	2441	19371	50.00
15	5092	341	297	5730	1311	4417	0	885	5707	5692	-1118	16917	0	16917	2442	19359	49.90
16	5112	197	276	5585	1483	4121	0	713	5847	5791	-1118	16575	0	16575	2437	19012	49.95
17	4968	171	298	5437	1658	4081	0	443	5701	5662	-1133	16148	0	16148	2441	18589	50.05
18	4926	171	289	5386	1688	3955	0	154	5366	5028	-1108	15103	0	15103	2410	17513	49.99
19	4953	237	290	5480	1297	3817	0	4	5150	5358	-1107	14849	0	14849	2422	17271	49.95
20	4985	532	288	5805	1039	3931	0	0	5488	5711	-1152	15334	0	15334	2461	17795	50.01
21	4921	212	289	5422	1000	4087	0	0	5636	5845	-1088	15266	0	15266	2376	17642	50.01
22	4911	226	292	5429	720	4082	0	0	5546	5517	-980	14768	0	14768	2232	17000	50.01
23	4963	236	301	5500	708	4064	0	0	5505	5528	-929	14871	0	14871	2098	16969	49.99
24	4939	296	292	5527	726	3916	0	0	5467	5525	-766	14928	0	14928	1938	16866	49.89
MUs	124.44	7.75	7.03	139.22	18.79	103.07	0.00	7.35	134.37	135.77	-20.91	383.30	0.00	383.30	51.71	435.01	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 04/Mar/2019

Position as on 6.30 Hrs of 05/Mar/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	Parli Unit 7	250	12/12/2018	00.00		Continued.	Zero Schedule. (From Dt-27/01/2019 Converted Zero sch to AOH) and (from dt-15/02/2019 Converted AOH to Zero sch by MSEDCL)	
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 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 4	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 B0	120	08/09/2018	12.19		Continued.	T/F Shifting Work.	
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.	
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	Bhusawal Unit 3	210	14/12/2018	03.00		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	
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.	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage	
MSPGCL	Nasik Unit 3	210	09/01/2019	19.30		Continued.	Zero Schedule	
IPP	Dhariwal	300	12/01/2019	10.15		Continued.	Coal Shortage	
MSPGCL	Parli Unit 8	250	12/01/2019	12.00		Continued.	Zero Schedule by MSEDCL	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 7	210	19/01/2019	18.21		Continued.	Poor Coal Receipt	
IPP	RPL(AMT) U-1	270	27/01/2019	02.17		Continued.	Withdrawn On RSD.	
MSPGCL	Chandrapur Unit 6	500	20/02/2019	22.07		Continued.	Rotor Earth Fault	
MSPGCL	Nasik Unit 5	210	23/02/2019	17.20		Continued.	Swapping with Unit 4	
MSPGCL	Koradi Unit 9	660	28/02/2019	20.11	04/03/2019	00.31	BTL Super heater zone at	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 04/Mar/2019

Position as on 6.30 Hrs of 05/Mar/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 7	500	03/03/2019	12.20		Continued.	penthouse	
							Boiler Tube Leakage	
MSPGCL	Koradi Unit 10	660	05/03/2019	08.09	05/03/2019	14.57	Tripping of both air heater motor.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Mar/2019

Statement-VII

Position as on 6.30 Hrs of 05/Mar/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 1	IntraState	05/03/2019	08.52	05/03/2019	15.53	PO	Dynamic contented resistance measurement.
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	27/02/2019	17.30		Continued.	HT	Over Voltage
Waluj Aurangabad(PG) II	InterState	05/03/2019	09.30	05/03/2019	11.59	PO	Busbar 1 Protn Operated Due to Maloperation of Busbar Relay.
Kalwa - Talegaon(PG)	IntraState	16/02/2019	08.59		Continued.	PO	Construction Work for height raising.
Kalwa - Kharghar	IntraState	16/02/2019	09.46		Continued.	PO	Construction Work for height raising.
Karad-Jaigad - I	IntraState	28/02/2019	22.06	05/03/2019	09.39	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	02/03/2019	17.44	04/03/2019	08.02	HT	Over Voltage
Kharghar-Talegaon(PG)	IntraState	04/03/2019	07.26	04/03/2019	14.00	T	Distance Protection zone 1
N.Koyna-Karad -Ckt I	IntraState	04/03/2019	11.51	04/03/2019	14.41	PO	Bus Bar Scheme commissioning work
N.Koyna-Karad -Ckt II	IntraState	04/03/2019	14.46	04/03/2019	18.06	PO	Bus Bar Scheme commissioning work
Babhaleshwar - Bhusawal II	IntraState	05/03/2019	07.14	05/03/2019	18.56	PO	Replacement of faulty insulator.
Taptitanda Waluj	IntraState	05/03/2019	09.18	05/03/2019	17.21	PO	Fixing of corona ring.
Pune(GIS)-A'bad(Waluj) Ckt 2	IntraState	05/03/2019	09.30	05/03/2019	12.08	T	Tripped At Aurangabad End Only.
Deepnagar - Aurangabad	IntraState	05/03/2019	09.30	05/03/2019	11.02	PO	Busbar 1 Protn Operated Due to Maloperation of Busbar Relay.
Warora-Tirora-I	IntraState	05/03/2019	10.09		Continued.	PO	Breaker Pole Replacement.
Jaigad-New Koyna Ckt-I	IntraState	05/03/2019	10.13	05/03/2019	17.03	PO	busbar scheme commissioning work.
Chandrapur-II - Nanded ckt I	IntraState	05/03/2019	11.39		Continued.	PO	Replacement of polymer insulator string. RFC(06/Mar/2019 08.30)
Jaigad-New Koyna Ckt-II	IntraState	05/03/2019	17.35	05/03/2019	20.39	PO	Busbar scheme commissioning work.
Khadka-Aurangabad (Waluj)	IntraState	05/03/2019	19.59		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 KV 300 MVA ICT- I @Koradi	IntraState	05/03/2019	10.22	05/03/2019	19.10	PO	Cold Welding 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.
Nasik Navsari I	InterState	04/03/2019	06.29	04/03/2019	16.11	T	Distance Protection Zone 1
Nasik Navsari I	InterState	05/03/2019	04.07	05/03/2019	07.46	T	Distance Protection Y phase E/F
Wardha Deoli (Pg)	InterState	05/03/2019	10.54	05/03/2019	17.25	T	Routine Maintenance Work
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.
Uran - Apta III	IntraState	04/03/2019	01.15	04/03/2019	01.40	T	Distance Protection Zone 1
Uran - Apta III	IntraState	04/03/2019	03.38	04/03/2019	10.33	T	Distance Protection
Talandge-Hamidwada	IntraState	04/03/2019	10.15	04/03/2019	12.58	PO	Quarterly Maintainance 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 04/Mar/2019

Statement-VII

Position as on 6.30 Hrs of 05/Mar/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Theur-Jejuri	IntraState	04/03/2019	11.08	04/03/2019	17.41	PO	Replacement of B Phase LA
New Koyana - Pedambe	IntraState	04/03/2019	13.15	04/03/2019	16.46	PO	Replacement of LMU
Ranjangaon-Lonikand	IntraState	05/03/2019	07.33	05/03/2019	17.02	PO	Bus Bar 1 Operated Due to CT Clamp Broken of 220KV Ranjangaon Ckt.
Lonikand (400 Kv)-Theur I	IntraState	05/03/2019	07.33	05/03/2019	08.14	PO	Bus Bar 1 Operated Due to CT Clamp Broken of 220KV Ranjangaon Ckt.
VILEBHAGAD KANDALGAON	IntraState	05/03/2019	09.25	05/03/2019	17.40	PO	Diagnostic testing work.
Kandalgaon - Bhira	IntraState	05/03/2019	11.00	05/03/2019	17.30	PO	Diagnostic testing work.
Talandage - Sawantwadi I	IntraState	05/03/2019	12.25	05/03/2019	17.15	PO	Tan Delta Measurment
Sawantwadi-Bidri	IntraState	05/03/2019	17.50	05/03/2019	19.35	PO	Tan Delta Measurement.
Kadegaon-Miraj	IntraState	05/03/2019	18.13	05/03/2019	20.26	HT	Safety Purpose, Loc No.211,222 Fire Nearby.
220 KV ICT Outages/Trippings							
220/132kV 100MVA ICT-1@Jeur	IntraState	16/02/2019	10.55		Continued.	PO	ICT is commissioned 200MVA in place of 100MVA capacity under augmentation scheme.
220/132-110kv 100mva Imp Ptr 1 @Wathar	IntraState	04/03/2019	10.15	04/03/2019	15.05	PO	Quarterly Maintainance Work
220/33kV 100MVA Transformer 1 @Versova R/S	IntraState	04/03/2019	13.20	05/03/2019	16.52	EO	Cross verification of Gas alarm
220/100 kV 200 MVA ICT-II @Kalwa	IntraState	05/03/2019	09.20	05/03/2019	17.54	PO	Diagnostic testing work.
132 KV LINE Outages/Trippings							
Mansar Pench	InterState	01/03/2019	13.37		Continued.	HT	CB HT In view Of Outage On 132kv Kanhan-Mansar Line.
Kanhan-Pench	IntraState	22/01/2019	18.44		Continued.	HT	After Completion of Outage.
Himayatnagar - Tamsa	IntraState	05/03/2019	12.51	05/03/2019	19.35	T	Distance protection Z1 Y PH BHP.
Harangul-Latur(Koyana) Ckt-I	IntraState	05/03/2019	19.47	05/03/2019	20.01	T	R PH Z1 7.4 KM 4.5 KA, AR successful at latur end , R PH , 1.851 KA, 6.55 KM.

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