

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 11/Feb/2018 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	112.048	1307.654	1) Gujrat	-0.038	1.827
2) Hydro	6.305	115.301	2) Madhya Pradesh	17.876	193.341
3) Gas	9.328	91.766	3) Chattisgarh	8.000	86.620
Total MSPGCL	127.681	1514.721	4) Maharashtra Net	83.488	1143.665
B) 1) APML	50.275	566.922	5) Goa (Amona)	-0.616	-7.304
2) JSWEL	16.555	191.296	Total	108.710	1418.149
3) VIPL	5.659	66.764	a) Mumbai Schedule	12.313	219.716
4) RPL(AMT)	19.433	242.643	b) Mumbai Drawl	16.433	248.962
5) WPCL	3.940	45.728	c) MSEDCL Bilateral *	18.937	235.580
6) PGPL	0.000	0.000	Include PX	1.473	38.084
7) Other IPP	12.060	137.068	d) Mumbai Bilateral *	12.313	215.904
C) 1) TPCL Thermal	12.886	158.400	Include PX	2.142	81.509
2) TPCL Hydro	0.699	30.037	Include Standby	0.000	3.813
3) TPCL Gas	3.235	38.894	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.772	82.144	1) MSEDCL	342.434	4031.964
D) STATE			2) Mumbai Discoms	43.026	558.438
1) Thermal	242.628	2798.619	TOTAL STATE	385.460	4590.402
(A1+C1+C4+(B1-B6))					
2) Hydro	7.004	145.338			
(A2+C2)					
3) Gas	12.563	130.660			
(A3+B6+C3)					
4) Wind	11.686	62.944			
6) SOLAR	2.868	34.691			
TOTAL STATE	276.749	3172.252			

* 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 20 Hrs	D. Night Minimum at 24 Hrs
MSPGCL Thermal	5347	5229	4449	4071
MSPGCL Hydro	223	136	721	159
MSPGCL Gas	376	404	420	348
MSPGCL Total Generation	5946	5769	5590	4578
Central Sector Receipt	5181	4919	4393	3822
WIND	466	635	735	374
CPP / IPP Thermal	5485	4921	4102	4082
CPP / IPP Gas	0	0	0	0
SOLAR	358	450	0	0
Exchange with Mumbai	-791	-969	-909	-727
MSEDCL DEMAND MET	16645	15725	13911	12129
Load Shedding	0	0	0	0
MSEDCL DEMAND	16645	15725	13911	12129
TPCL GENERATION	830	691	753	636
R-INFRA GENERATION	426	374	373	374
MUMBAI DEMAND	2047	2034	2035	1737
STATE DEMAND MET	18692	17759	15946	13866
STATE DEMAND	18692	17759	15946	13866
Frequency (Hz)	50.03	50.04	49.97	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 17.04 Hrs	49.83 Hz at 14.35 Hrs	50	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 11/Feb/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	11.65	122.55	556	450
Unit 9	0.00	0.00	0	0
Unit 10	11.83	124.53	582	460
Total	23.48	247.08		
Bhusawal				
Unit 3	4.08	37.01	200	160
Unit 4	9.28	110.24	485	350
Unit 5	9.38	110.70	495	350
Total	22.74	257.95		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.98	56.55	250	187
Unit 7	0.00	0.00	0	0
Unit 8	4.75	54.67	239	185
Total	9.73	111.22		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	5.87	58.57	370	0
Unit 6	0.00	0.00	0	0
Unit 7	9.51	109.22	450	354
Unit 8	9.10	92.81	500	0
Unit 9	9.79	117.07	492	355
Total	34.27	377.68		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.08	59.14	258	183
Total	5.08	59.14		
Khaparkheda				
Unit 1	3.68	39.92	160	145
Unit 2	0.00	7.54	0	0
Unit 3	0.00	0.00	0	0
Unit 4	3.65	40.76	160	149
Unit 5	1.48	76.68	360	0
Total	8.81	164.90		
Nasik				
Unit 3	4.04	45.72	192	160
Unit 4	3.90	43.97	174	153
Unit 5	0.00	0.00	0	0
Total	7.94	89.70		
Uran				
All Units	9.33	91.77	440	310
Total	9.33	91.77		
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	1.01	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.00	1.01		
Koyna				
Stage 1-2	1.58	27.18	315	40
Stage 4	0.13	23.95	131	0
Stage 3	0.33	11.58	80	0
Total	2.04	62.71		
Hydro				
KDPH	0.68	8.72	36	0
VTRNA	1.05	12.55	61	0
TILLARI	0.39	0.39	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.14	1.40	80	0
RNGR+BHTSA	0.37	3.90	16	15
BHANDARDRA	0.46	4.99	28	13
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.74	9.56	31	30
GHATGHAR	0.43	11.09	125	0
Total	4.26	52.59		
Wind				
Total	11.69	62.94	0	0
Total	11.69	62.94		
CPP				
APML(Mus)	50.28	566.92	0	0
JSWEL(Mus)	16.56	191.30	0	0
VIPL(Mus)	5.66	66.76	0	0
RPLAMT(Mus)	19.43	242.64	0	0
WPCL(Mus)	3.94	45.73	0	0
Other(Mus)	12.06	137.07	0	0
Total	107.92	1250.42		
SOLAR				
Total	2.87	34.69	0	0
Total	2.87	34.69		
Tata				
Trombay 5	7.97	101.30	486	299
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.89	23.27	87	73
Trombay 7B	1.35	15.62	59	55
Trombay 8	4.92	57.10	238	198
TATA Hydro	0.70	30.04	106	0
Total	16.82	227.33		
R-INFRA				
DTPS U-1&2	9.77	82.14	501	372
Total	9.77	82.14		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	112.05	1307.65	MSPGCL Total	127.68	1514.72
			MSPGCL Thml+Gas	121.38	1399.42	Koyna 1,2 & 4 Total	1.71	51.13
			MSPGCL Hydro	6.30	115.30	State Total	276.75	3172.25

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 11/Feb/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	4422	197	349	4968	243	4263	0	0	4661	4378	-664	13188	0	13188	1679	14867	49.96
2	4439	197	373	5009	212	4140	0	0	4427	4249	-541	13069	0	13069	1557	14626	50.00
3	4418	202	392	5012	218	4115	0	0	4285	4081	-466	12960	0	12960	1471	14431	50.01
4	4494	202	413	5109	214	4124	0	0	4288	3879	-414	12912	0	12912	1427	14339	50.02
5	4291	197	440	4928	184	4108	0	0	4726	4459	-323	13356	0	13356	1441	14797	49.99
6	4633	202	421	5256	183	4298	0	0	4977	5051	-401	14387	0	14387	1518	15905	49.99
7	5117	356	311	5784	157	4876	0	4	5260	5306	-478	15649	0	15649	1588	17237	50.01
8	5263	478	310	6051	242	5375	0	40	5163	5124	-488	16344	0	16344	1667	18011	49.99
9	5300	406	321	6027	235	5535	0	176	4875	5000	-446	16527	0	16527	1836	18363	49.97
10	5332	286	367	5985	417	5549	0	294	4902	4510	-555	16200	0	16200	1962	18162	49.99
11	5347	223	376	5946	466	5485	0	358	5128	5181	-791	16645	0	16645	2047	18692	50.03
12	5342	169	403	5914	420	5115	0	436	5643	5587	-860	16612	0	16612	2060	18672	50.01
13	5229	136	404	5769	635	4921	0	450	5599	4919	-969	15725	0	15725	2034	17759	50.04
14	4706	183	401	5290	649	4639	0	379	5143	5181	-871	15267	0	15267	1940	17207	50.04
15	4525	268	400	5193	811	4346	0	304	5123	4889	-777	14766	0	14766	1875	16641	49.99
16	4418	263	413	5094	793	4134	0	231	4986	5069	-715	14606	0	14606	1818	16424	50.00
17	4419	263	404	5086	857	4160	0	143	4797	4537	-690	14093	0	14093	1794	15887	50.03
18	4448	271	407	5126	783	4087	0	53	4170	3864	-772	13141	0	13141	1812	14953	50.01
19	4446	366	408	5220	674	4097	0	0	3674	3790	-845	12936	0	12936	1912	14848	49.99
20	4449	721	420	5590	735	4102	0	0	3926	4393	-909	13911	0	13911	2035	15946	49.97
21	4458	232	410	5100	817	4129	0	0	4090	3988	-949	13085	0	13085	2006	15091	49.99
22	4364	164	423	4951	808	4129	0	0	3852	3626	-926	12588	0	12588	1947	14535	50.00
23	4117	164	414	4695	559	4111	0	0	3700	3826	-856	12335	0	12335	1862	14197	50.03
24	4071	159	348	4578	374	4082	0	0	3612	3822	-727	12129	0	12129	1737	13866	50.03
MUs	112.05	6.31	9.33	127.68	11.69	107.92	0.00	2.87	111.01	108.71	-16.43	342.43	0.00	342.43	43.03	385.46	50.00

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 11/Feb/2018

Position as on 6.30 Hrs of 12/Feb/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.	
CENT.SECTOR	Tarapur 2	160	26/12/2017	10.51		Continued.	AOH	
MSPGCL	Koyna Unit 4	75	20/01/2018	08.50		Continued.	Thrust Bearing Temperature Problem, converted to COH w.e.f 25.01.2018	
MSPGCL	Uran Unit 6	108	11/02/2018	23.43		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	Dhariwal	300	27/10/2017	17.31		Continued.	Drum level Not Maintained	
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.	
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	Nasik Unit 5	210	06/01/2018	06.30		Continued.	PA Fan Problem (Not available due to Coal shortage from 07.01.2018, 14:00Hrs)	
MSPGCL	Koradi Unit 7	210	07/01/2018	17.00		Continued.	Poor Coal Receipt.	
MSPGCL	Paras Unit 3	250	21/01/2018	06.45		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 11/Feb/2018

Position as on 6.30 Hrs of 12/Feb/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	VIPL U-1	300	30/01/2018	22.55		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 9	660	31/01/2018	14.31		Continued.	poor coal receipt.	
MSPGCL	Khaparkheda Unit 2	210	02/02/2018	23.57		Continued.	poor coal receipt.	
MSPGCL	Chandrapur Unit 5	500	07/02/2018	12.00	11/02/2018	03.00	Water Shortage	
MSPGCL	Uran Unit 7	108	08/02/2018	11.07	12/02/2018	02.35	Gas shortage	
IPP	RPL(AMT) U-4	270	10/02/2018	16.36		Continued.	Generator Exciter Bearing oil Leakage	
MSPGCL	Khaparkheda Unit 5	500	11/02/2018	04.14		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit B0	120	11/02/2018	06.04	11/02/2018	10.42	Boiler Protection operated	
MSPGCL	Uran Unit 8	108	11/02/2018	06.04	11/02/2018	08.20	Boiler Protection operated	
IPP	RPL(AMT) U-1	270	11/02/2018	10.52	11/02/2018	14.24	Differential Prot.operated	
MSPGCL	Chandrapur Unit-8	500	11/02/2018	22.16		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit 8	108	12/02/2018	01.24		Continued.	Generator Protection operated	
MSPGCL	Uran Unit B0	120	12/02/2018	01.24		Continued.	Generator Protection operated	
MSPGCL	Uran Unit 7	108	12/02/2018	03.03	12/02/2018	03.16	Damper Discrepancy	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Feb/2018

Statement-VII

Position as on 6.30 Hrs of 12/Feb/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 II	InterState	09/02/2018	10.06		Continued.	OO	Line Maintenance work
Khadka-Aurangabad (Waluj)	IntraState	10/02/2018	17.48	11/02/2018	07.58	HT	Over Voltage
Karad-Jaigad - I	IntraState	10/02/2018	21.35		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	10/02/2018	21.37	11/02/2018	10.14	HT	Over Voltage
Kalwa - Talegaon(PG)	IntraState	11/02/2018	09.00	11/02/2018	19.40	PO	Isolator Maint.work
Alkud-Kolhapur(Talandage)	IntraState	11/02/2018	10.32	11/02/2018	16.52	PO	Isolator Maint.work
Akola II - RPL(Rattanindia) Ckt I	IntraState	11/02/2018	10.52	11/02/2018	18.05	T	Distance Protection
Girwali- Lonikand 2	IntraState	11/02/2018	15.40	11/02/2018	16.27	T	Distance Protection
Bhusawal-Aurangabad	IntraState	11/02/2018	16.39		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	11/02/2018	18.23		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 500 Mva Ict-3 @Nagothane	IntraState	08/02/2018	21.01		Continued.	EO	due to negative dga report.
400/220KV 500MVA ICT 2@koradi 2	IntraState	11/02/2018	12.32	11/02/2018	14.52	T	NDR Operated
400/220KV 500MVA ICT1@koradi 2	IntraState	11/02/2018	12.32	11/02/2018	14.51	T	NDR Operated
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.
Boisar(MS) - Boisar (PG) - I	InterState	11/02/2018	04.13	11/02/2018	05.02	HT	Hand Tripped for outage
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.
Pedambe-Nerle	IntraState	23/09/2017	00.50		Continued.	T	'B'Phase CT Burst
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
Boisar Versova Line	IntraState	11/02/2018	03.05	11/02/2018	05.04	HT	Hand tripped for load control
Nerul - Sonkhar	IntraState	11/02/2018	06.34		Continued.	PO	Reorientation work
Kharghar Trombay	IntraState	11/02/2018	07.38		Continued.	PO	Reorientation work
Mulund - GIS Bhandup	IntraState	11/02/2018	09.13	11/02/2018	15.25	PO	Testing Work
Bhandara-Bhandara Rly Tss 1	IntraState	11/02/2018	13.16	11/02/2018	14.00	T	Backup Protection
Bhandara-Sunflag 2	IntraState	11/02/2018	13.20	11/02/2018	13.50	T	Backup Protection
Warora - Hinganghat	IntraState	11/02/2018	14.14	11/02/2018	17.22	HT	220KV Bus Outage at Warora
Wani-Warora	IntraState	11/02/2018	14.15	11/02/2018	17.20	HT	220KV Bus Outage at Warora
V Warora - Waroralytss1	IntraState	11/02/2018	14.16	11/02/2018	17.33	HT	220KV Bus Outage at Warora
Warora - Warora Rly Tss 2	IntraState	11/02/2018	14.16	11/02/2018	17.33	HT	220KV Bus Outage at Warora
Kandalgaon - Pirangut	IntraState	11/02/2018	14.25	11/02/2018	17.35	PO	CT Oil Leakage
Bhandara-Sunflag 2	IntraState	11/02/2018	15.05	11/02/2018	21.45	HT	Oil Leakage and Smoke detected from B Phase PT
Pusad - Hingoli	IntraState	11/02/2018	15.43		Continued.	T	Distance Protection
Nanded-Ghatodi	IntraState	11/02/2018	15.53		Continued.	T	Distance Protection

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 11/Feb/2018

Statement-VII

Position as on 6.30 Hrs of 12/Feb/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Jejuri- Ismt- Lonand	IntraState	12/02/2018	03.21	12/02/2018	03.53	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 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 / 110 / 33 250 MVA ICT 2 @ Borivli(T)	IntraState	31/01/2018	10.40		Continued.	T	220 kv bus 2 fault.
132 KV LINE Outages/Trippings							
Jalna (220)-Ambad	IntraState	11/02/2018	07.52	11/02/2018	08.22	T	Distance Protection
Beed (220kv) - Beed (132kv)	IntraState	11/02/2018	13.41	11/02/2018	15.18	T	Distance Protection
Kaulewada-Gondia-li	IntraState	11/02/2018	13.41	11/02/2018	14.38	T	Distance Protection
Kaulewada-Kachewanirlytss1	IntraState	11/02/2018	13.47	11/02/2018	14.11	T	Distance Protection
Kaulewada-Madgi-I	IntraState	11/02/2018	13.50	11/02/2018	14.26	T	Distance Protection
Beed(220kv) -Telgaon	IntraState	11/02/2018	13.55	11/02/2018	14.42	T	Distance Protection
Kandhar -Mukhed	IntraState	11/02/2018	19.05	11/02/2018	20.05	T	Distance Protection

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