

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 10/Sep/2017 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	107.418	1087.010	1) Gujrat	2.345	23.241
2) Hydro	24.108	197.825	2) Madhya Pradesh	12.369	172.333
3) Gas	9.940	58.972	3) Chattisgarh	6.020	57.910
Total MSPGCL	141.466	1343.807	4) Maharashtra Net	93.436	982.389
B) 1) APML	44.355	442.828	5) Goa (Amona)	0.000	-0.704
2) JSWEL	13.557	160.084	Total	114.170	1235.169
3) VIPL	7.492	74.818	a) Mumbai Schedule	17.054	203.412
4) RPL(AMT)	31.618	268.296	b) Mumbai Drawl	21.209	240.385
5) WPCL	2.410	25.257	c) MSEDCL Bilateral *	11.474	185.245
6) PGPL	0.000	0.000	Include PX	0.885	33.982
7) Other IPP	2.460	30.044	d) Mumbai Bilateral *	17.054	203.112
C) 1) TPCL Thermal	17.358	164.728	Include PX	3.712	48.854
2) TPCL Hydro	2.007	49.867	Include Standby	0.000	0.300
3) TPCL Gas	2.510	21.730	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	12.021	113.838	1) MSEDCL	340.933	3446.725
D) STATE			2) Mumbai Discoms	55.105	590.548
1) Thermal	238.689	2366.903	TOTAL STATE	396.038	4037.273
(A1+C1+C4+(B1-B6))					
2) Hydro	26.115	247.692			
(A2+C2)					
3) Gas	12.450	80.702			
(A3+B6+C3)					
4) Wind	2.747	86.809			
6) SOLAR	1.867	19.998			
TOTAL STATE	281.868	2802.104			

* 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	4512	4489	4475	4561
MSPGCL Hydro	1099	1019	1730	673
MSPGCL Gas	416	415	418	421
MSPGCL Total Generation	6027	5923	6623	5655
Central Sector Receipt	5312	5038	4802	4148
WIND	52	52	153	52
CPP / IPP Thermal	4277	4278	4252	4127
CPP / IPP Gas	0	0	0	0
SOLAR	263	265	0	0
Exchange with Mumbai	-1040	-1139	-833	-669
MSEDCL DEMAND MET	14891	14417	14997	13313
Load Shedding	286	486	0	0
MSEDCL DEMAND	15177	14903	14997	13313
TPCL GENERATION	899	830	1207	799
R-INFRA GENERATION	501	501	500	501
MUMBAI DEMAND	2440	2470	2540	1969
STATE DEMAND MET	17331	16887	17537	15282
STATE DEMAND	17617	17373	17537	15282
Frequency (Hz)	49.95	50.00	49.97	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.12 Hz at 10.00 Hrs	49.71 Hz at 00.10 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 10/Sep/2017

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	3.57	30.67	163	110
Unit 8	7.63	114.48	365	290
Unit 9	0.00	69.47	0	0
Unit 10	8.03	51.43	353	310
Total	19.23	266.04		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	7.56	66.78	350	300
Unit 5	7.53	88.22	350	300
Total	15.08	155.00		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.31	46.29	195	170
Unit 7	4.22	44.51	184	166
Unit 8	0.00	0.00	0	0
Total	8.52	90.80		
Chandrapur				
Unit 3	4.30	40.85	200	161
Unit 4	0.00	0.00	0	0
Unit 5	9.03	56.51	400	355
Unit 6	0.00	66.75	0	0
Unit 7	8.84	31.56	393	355
Unit 8	10.37	108.85	490	370
Unit 9	9.88	27.68	439	393
Total	42.42	332.21		
Paras				
Unit 3	4.12	42.67	180	164
Unit 4	3.98	42.27	174	158
Total	8.10	84.94		
Khaparkheda				
Unit 1	0.00	24.14	0	0
Unit 2	2.56	29.97	125	80
Unit 3	3.58	32.66	155	145
Unit 4	0.00	0.00	0	0
Unit 5	0.00	7.68	0	0
Total	6.14	94.44		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.97	43.05	171	157
Unit 5	3.94	20.53	169	160
Total	7.91	63.58		
Uran				
All Units	9.94	58.97	441	335
Total	9.94	58.97		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.01	0.65	11	0
Total	0.01	0.65		
Koyna				
Stage 1-2	6.06	53.78	490	45
Stage 4	12.78	94.86	1000	12
Stage 3	4.01	33.34	240	80
Total	22.85	181.98		
Hydro				
KDPH	0.00	2.44	0	0
VTRNA	0.76	4.56	61	0
TILLARI	0.00	0.41	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.34	3.39	80	0
RNGR+BHTSA	0.00	1.76	0	0
BHANDARDRA	0.00	1.30	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.15	1.98	7	6
GHATGHAR	0.00	0.00	0	0
Total	1.25	15.84		
Wind				
Total	2.75	86.81	0	0
Total	2.75	86.81		
CPP				
APML(Mus)	44.36	442.83	0	0
JSWEL(Mus)	13.56	160.08	0	0
VIPL(Mus)	7.49	74.82	0	0
RPLAMT(Mus)	31.62	268.30	0	0
WPCL(Mus)	2.41	25.26	0	0
Other(Mus)	2.46	30.04	0	0
Total	101.89	1001.33		
SOLAR				
Total	1.87	20.00	0	0
Total	1.87	20.00		
Tata				
Trombay 5	11.50	108.40	489	462
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.40	11.97	76	52
Trombay 7B	1.11	9.76	54	42
Trombay 8	5.85	56.33	248	238
TATA Hydro	2.01	49.87	369	0
Total	21.88	236.32		
R-INFRA				
DTPS U-1&2	12.02	113.84	502	499
Total	12.02	113.84		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	107.42	1087.01	MSPGCL Total	141.47	1343.81
			MSPGCL Thml+Gas	117.36	1145.98	Koyna 1,2 & 4 Total	18.84	148.64
			MSPGCL Hydro	24.11	197.82	State Total	281.87	2802.10

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 10/Sep/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	4567	1306	335	6208	26	4132	0	0	4547	4411	-1044	13733	0	13733	2367	16100	49.91
2	4568	1017	397	5982	60	4112	0	0	4359	4214	-820	13548	0	13548	2154	15702	49.98
3	4555	731	420	5706	41	4110	0	0	4281	4181	-693	13345	0	13345	2023	15368	49.95
4	4561	673	421	5655	52	4127	0	0	4241	4148	-669	13313	0	13313	1969	15282	49.97
5	4625	488	421	5534	62	4190	0	0	4490	4296	-634	13448	0	13448	1951	15399	49.88
6	4661	659	421	5741	95	4248	0	0	4551	4614	-681	14017	0	14017	1996	16013	49.91
7	4564	991	422	5977	117	4292	0	7	4923	4867	-705	14555	0	14555	2013	16568	49.99
8	4619	1113	420	6152	73	4285	0	51	4951	4985	-709	14837	0	14837	2030	16867	49.96
9	4593	854	432	5879	49	4284	0	153	5033	5119	-844	14640	198	14838	2160	16998	49.97
10	4612	756	418	5786	63	4265	0	230	4845	4927	-944	14327	118	14445	2256	16701	49.99
11	4568	849	417	5834	61	4277	0	233	4936	5047	-1090	14362	111	14473	2404	16877	49.97
12	4512	1099	416	6027	52	4277	0	263	5023	5312	-1040	14891	286	15177	2440	17617	49.95
13	4489	1019	415	5923	52	4278	0	265	4952	5038	-1139	14417	486	14903	2470	17373	50.00
14	4390	901	415	5706	81	4288	0	230	4910	5217	-1046	14476	469	14945	2384	17329	50.00
15	4382	1026	414	5822	158	4268	0	163	4916	5125	-1052	14484	349	14833	2399	17232	50.02
16	4356	1151	412	5919	151	4275	0	188	4880	5129	-1022	14640	233	14873	2358	17231	50.02
17	4362	767	415	5544	280	4274	0	67	4912	4962	-991	14136	225	14361	2328	16689	49.97
18	4341	278	404	5023	307	4266	0	16	4822	5056	-919	13749	194	13943	2310	16253	50.01
19	4389	1059	415	5863	222	4254	0	1	4601	4927	-728	14539	0	14539	2311	16850	49.99
20	4475	1730	418	6623	153	4252	0	0	4584	4802	-833	14997	0	14997	2540	17537	49.97
21	4380	1602	418	6400	156	4267	0	0	4336	4684	-851	14656	0	14656	2575	17231	49.96
22	4309	1614	415	6338	152	4282	0	0	4293	4470	-906	14336	0	14336	2595	16931	49.97
23	4277	1232	418	5927	120	4287	0	0	4275	4281	-939	13676	0	13676	2600	16276	49.95
24	4263	1193	441	5897	164	4298	0	0	4289	4358	-910	13807	0	13807	2472	16279	49.95
MUs	107.4 2	24.11	9.94	141.47	2.75	101.89	0.00	1.87	111.95	114.17	-21.21	340.93	2.67	343.60	55.11	398.71	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 10/Sep/2017

Position as on 6.30 Hrs of 11/Sep/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 4	540	23/04/2017	19:55		Continued.	Annual Maintenance	
CENT.SECTOR	Tarapur 1	160	04/06/2017	19.09		Continued.	3 months outage for refuelling.	
CENT.SECTOR	TARAPUR-3	540	11/07/2017	16.30		Continued.	Reactor Inspection Work	
MSPGCL	Khaparkheda Unit 4	210	13/07/2017	03.36		Continued.	Drum level low. on Dated 14.07.2017 converted to zero schedule. Converted into COH from 00:00Hrs of 02.08.2017	
MSPGCL	Nasik Unit 3	210	10/08/2017	00.00		Continued.	Withdrawn for maintenance work. Converted to COH from 15.08.2017.	
MSPGCL	Chandrapur Unit 4	210	22/08/2017	23.56		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 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.	Shutdown	
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.	ID Fan problem, Converted to Zero Schedule By MSEDCL from 00.00hrs/22-9-16. Shutdown taken on 18.10.2016 at 00:00Hrs for Turbine inspection and maintenance work	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
IPP	JSW (J) U2	300	31/05/2017	23.58	11/09/2017	22.16	NO SCHEDULE.	
IPP	Dhariwal	300	01/06/2017	00.01		Continued.	NO SCHEDULE.	
IPP	VIPL U-1	300	13/06/2017	08.30		Continued.	GT WORK	
MSPGCL	Parli Unit 8	250	17/06/2017	00.08		Continued.	Zero Schedule by MSEDCL, scheduled issued on 08.08.2017 but synchronization delayed.	
MSPGCL	Ghatghar Unit-1	125	28/07/2017	00.00		Continued.	RBDV leakage attending work.	
MSPGCL	Ghatghar Unit-2	125	28/07/2017	00.00		Continued.	due to common pressure shaft with unit 1.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 10/Sep/2017

Position as on 6.30 Hrs of 11/Sep/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	Adani U-2	660	11/08/2017	16.49		Continued.	Furnace Pressure High	
CPP	SWPGL U-3	135	26/08/2017	17.40		Continued.	Boiler Tube Leakage	
MSPGCL	Bhusawal Unit 3	210	27/08/2017	07.43		Continued.	Low furnace pressure	
MSPGCL	Khaparkhedda Unit 5	500	01/09/2017	18.29		Continued.	Due to shaft vibration High.	
MSPGCL	Uran Unit B0	120	06/09/2017	11.29	10/09/2017	01.07	D.C. Supply Fail	
IPP	Adani U-4	660	06/09/2017	21.47		Continued.	Changeover from U-4 to U1	
MSPGCL	Koradi Unit 9	660	07/09/2017	00.38		Continued.	Air heater problem	
MSPGCL	Khaparkhedda Unit 1	210	08/09/2017	12.23		Continued.	Coal Shortage	
IPP	JSW (J) U3	300	09/09/2017	00.43		Continued.	Cooling Water Leakage	
MSPGCL	Chandrapur Unit 6	500	09/09/2017	04.40		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Sep/2017

Statement-VII

Position as on 6.30 Hrs of 11/Sep/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Ektuni-Akola II Ckt 2	IntraState	10/09/2017	14.31	10/09/2017	16.33	T	Distance Protection
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	09/09/2017	21.20	10/09/2017	07.06	HT	Over Voltage
Dhule Khandwa I	InterState	10/09/2017	09.19	11/09/2017	06.08	PO	Work at Khandwa end
Dhule Sar'Sarovar II	InterState	10/09/2017	20.53		Continued.	T	Distance Protection
Dhule Khandwa I	InterState	11/09/2017	06.11		Continued.	T	Distance Protection
Dabhol Nagothane I	InterState	11/09/2017	13.42	11/09/2017	17.50	EO	To attend Hot Spot
Karad-Jaigad - I	IntraState	08/09/2017	00.47		Continued.	HT	Over Voltage
Ektuni-Bableswhar ckt I	IntraState	09/09/2017	06.56	11/09/2017	11.35	HT	to control load pdg-bblr.
karad -kolhapur-II	IntraState	09/09/2017	17.21		Continued.	HT	Over Voltage
Babhaleshwar - Padghe-II	IntraState	09/09/2017	20.05	10/09/2017	09.38	T	Distance Protection
Akola - Bhusawal	IntraState	10/09/2017	10.25	10/09/2017	12.31	PO	Tan Delta Measurment of CTs
Lonikand I - Koyna stage-IV	IntraState	11/09/2017	02.09	11/09/2017	08.22	HT	Over Voltage
Jejuri- Koynastage-IV	IntraState	11/09/2017	11.31	11/09/2017	12.05	T	Distance Protection
Bableswhar- Aurangabad (Waluj)	IntraState	11/09/2017	11.54	11/09/2017	17.11	PO	Testing Work
Bhusawal-Aurangabad	IntraState	11/09/2017	20.58		Continued.	HT	Over Voltage
Ektuni-Bableswhar ckt II	IntraState	11/09/2017	22.41		Continued.	HT	To control L/L on padgha-BBLSR
400 KV ICT Outages/Trippings							
400/220KV 500MVA ICT1@koradi 2	IntraState	10/08/2017	11.39		Continued.	PO	Attend defects observed in OLTC of ICT 1.
400/220 Kv 500 MVA ICT-I @Kalwa	IntraState	10/09/2017	09.43	10/09/2017	19.11	PO	Routine Maintenance Work
400/220/33 Kv 315 Mva Ict 1 @Dhule	IntraState	10/09/2017	12.09	10/09/2017	13.39	PO	Oil Sample for DGA
400/220 Kv 500 MVA ICT 3 @Kolhapur	IntraState	10/09/2017	17.24	10/09/2017	19.21	T	NDR Operated
400/220KV 500MVA ICT-I @Nanded	IntraState	10/09/2017	21.01	11/09/2017	07.53	T	Buccholz Protection Optd
400/220KV 315MVA ICT-II @Akola	IntraState	11/09/2017	09.40	11/09/2017	22.04	PO	Testing Work
400/220 Kv 500 MVA ICT II @Lamboti	IntraState	11/09/2017	17.50	11/09/2017	19.00	PO	Safety purpose for crossing of Reactor
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.
Tillari Amona	InterState	11/09/2017	07.51	11/09/2017	09.41	T	Tripped from Amona end
Mahalakshmi Amona	InterState	11/09/2017	07.51	11/09/2017	09.45	T	Tripped from Amona end
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.
Ghatghar - Bapgaon	IntraState	09/09/2017	07.03	11/09/2017	13.37	PO	765kv padgha-a'bad line crossing work.
Nashik-Airoli Knowledge Park	IntraState	09/09/2017	07.17	11/09/2017	13.20	PO	765kv padgha-a'bad line crossing work.
Vilebagad-Kharghar(MSL & PGPL Tap)	IntraState	10/09/2017	11.22	11/09/2017	16.03	PO	Reconnection of Topworth by removing bunching Arrangement
Khadka-Chalisgaon-1	IntraState	10/09/2017	13.13	10/09/2017	16.05	T	Distance Protection
Tilawani-Talandge-I	IntraState	10/09/2017	17.49	10/09/2017	23.45	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 10/Sep/2017

Statement-VII

Position as on 6.30 Hrs of 11/Sep/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Kandalgaon - Koyna	IntraState	10/09/2017	18.40	11/09/2017	04.00	T	Distance Protection
New Koyna - Niwali	IntraState	11/09/2017	10.17	11/09/2017	18.51	PO	Routine Maintenance Work
Dasturi-Kandalgaon Line	IntraState	11/09/2017	10.25	11/09/2017	17.20	PO	Nut Bolt Tightening
Chandrapur GCR - Cpurrlytss1	IntraState	11/09/2017	11.15	11/09/2017	23.25	PO	Relay Retrofitting work
Uran - Apta III	IntraState	11/09/2017	11.58	11/09/2017	15.50	T	Distance Protection
Pusad - Hingoli	IntraState	11/09/2017	20.06		Continued.	HT	Distance Relay Faulty at pusad end
Pusad-Ghatodi	IntraState	11/09/2017	20.53		Continued.	HT	Distance Relay Faulty at pusad end
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)
220/132 Kv 150 Mva Emco Ict 1 @Ambazari	IntraState	06/09/2017	08.41		Continued.	PO	Augmentation of 200 MVA 220/132KV ICT
220/132kv 100 Mva Imp Ict 2 @Limbala Midc Hingoli	IntraState	10/09/2017	11.40	10/09/2017	12.51	PO	Tan Delta Measurment of CTs
220/132-110kv 100mva Imp Ptr 1 @Wathar	IntraState	11/09/2017	09.57	11/09/2017	16.45	PO	Testing Work
220/132 Kv 150 MVA ICT II @ Eklahre-Nashik (Gcr)	IntraState	11/09/2017	13.06	11/09/2017	16.07	PO	Attending Oil Leakage
132 KV LINE Outages/Trippings							
Dondaicha-Nandurbar	IntraState	09/09/2017	13.33	10/09/2017	09.17	T	Distance Protection
Kaulewada-Kachewani Rly Tss 2	IntraState	11/09/2017	05.45	11/09/2017	06.15	T	Backup Protection

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