

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 26/Mar/2016 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	88.667	2489.860	1) Gujrat	-1.293	-62.016
2) Hydro	10.426	182.355	2) Madhya Pradesh	11.973	314.914
3) Gas	10.833	268.669	3) Chattisgarh	7.710	181.380
Total MSPGCL	109.926	2940.884	4) Maharashtra Net	103.155	2351.053
B) 1) APMIL	65.872	1615.376	5) Goa (Amona)	-0.212	-12.512
2) JSWEL	28.630	690.472	6) TAPS 1&2 Injection	3.679	94.392
3) VIPL	12.086	312.638	7) RGPPL Injection	11.861	300.902
4) RPL(AMT)	20.152	484.380	8) Pench (MS)	0.091	3.932
5) WPCL	4.273	98.075	9) Pench (Excess)	-0.091	-3.932
6) Other IPP	8.677	215.065	Total	136.782	3164.181
C) 1) TPCL Thermal	15.477	362.224	a) Mumbai Schedule	25.102	548.706
2) TPCL Hydro	2.685	79.260	b) Mumbai Drawl	29.135	672.527
3) TPCL Gas	4.443	109.979	c) MSEDCL Bilateral *	35.395	807.076
4) R-INFRA Thermal	5.400	240.226	Include PX	0.000	-36.201
D) STATE			d) Mumbai Bilateral *	25.102	548.006
1) Thermal	249.234	6508.316	Include PX	7.292	101.161
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.700
2) Hydro	13.111	261.615	H) ENERGY CATERED (MUs)		
3) Gas	15.276	378.648	1) MSEDCL	369.240	9127.447
4) Wind	10.764	244.245	2) Mumbai Discoms	57.140	1464.203
6) SOLAR	1.213	34.658	TOTAL STATE	426.380	10591.650
TOTAL STATE	289.598	7427.482			

* 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 15 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4096	4007	4006	3407
MSPGCL Hydro	1133	734	315	213
MSPGCL Gas	436	431	438	460
MSPGCL Total Generation	5665	5172	4759	4080
Central Sector Receipt	6027	6220	5596	4680
WIND	92	193	727	566
CPP / IPP	6185	5944	5847	5591
SOLAR	166	142	0	0
Exchange with Mumbai	-1329	-1280	-1343	-954
MSEDCL DEMAND MET	16806	16391	15586	13963
Load Shedding	0	0	0	0
MSEDCL DEMAND	16806	16391	15586	13963
TPCL GENERATION	1203	1159	1104	698
R-INFRA GENERATION	253	257	200	202
MUMBAI DEMAND	2785	2696	2647	1854
STATE DEMAND MET	19591	19087	18233	15817
STATE DEMAND	19591	19087	18233	15817
Frequency (Hz)	49.98	49.89	49.92	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 13:03 Hrs	49.71 Hz at 15:18 Hrs	49.96	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 26/Mar/2016

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	0.00	4.01	0	0
Unit 8	0.00	79.53	0	0
Total	0.00	83.54		
Bhusawal				
Unit 2	0.00	75.12	0	0
Unit 3	4.00	95.89	175	160
Unit 4	10.06	125.02	505	350
Unit 5	10.13	234.26	510	350
Total	24.18	530.29		
Parli				
Unit 3	0.00	0.00	0	0
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
Total	0.00	0.00		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Unit 3	4.34	96.78	199	165
Unit 4	4.17	111.00	191	159
Unit 5	9.84	258.93	465	360
Unit 6	0.00	40.63	0	0
Unit 7	9.62	243.63	440	355
Total	27.98	750.97		
Paras				
Unit 3	5.95	116.41	260	217
Unit 4	5.90	100.58	258	208
Total	11.85	216.99		
Khaparkheda				
Unit 1	3.91	97.81	185	145
Unit 2	4.06	104.26	185	160
Unit 3	4.19	93.82	195	160
Unit 4	4.34	104.17	206	160
Unit 5	0.00	146.97	0	0
Total	16.50	547.04		
Nasik				
Unit 3	4.06	88.10	200	160
Unit 4	0.00	93.66	0	0
Unit 5	4.09	103.15	202	161
Total	8.15	284.92		
Uran				
All Units	10.83	268.67	470	431
Total	10.83	268.67		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.09	3.93	30	0
Total	0.09	3.93		
Koyna				
Stage 1-2	2.56	70.83	350	40
Stage 4	2.45	27.20	688	0
Stage 3	1.59	20.80	126	0
Total	6.61	118.83		
Hydro				
KDPH	0.77	13.19	33	32
VTRNA	0.00	0.00	0	0
TILLARI	0.24	4.76	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.16	4.82	40	0
RNGR+BHTSA	0.21	5.25	11	0
BHANDARDRA	0.42	2.98	18	17
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.74	22.36	31	30
GHATGHAR	1.28	10.17	240	0
Total	3.82	63.52		
Wind				
Total	10.76	244.24	0	0
Total	10.76	244.24		
CPP				
APML(Mus)	65.87	1615.38	0	0
JSWEL(Mus)	28.63	690.47	0	0
VIPL(Mus)	12.09	312.64	0	0
RPLAMT(Mus)	20.15	484.38	0	0
WPCL(Mus)	4.27	98.08	0	0
Other(Mus)	8.68	215.06	0	0
Total	139.69	3416.01		
SOLAR				
Total	1.21	34.66	0	0
Total	1.21	34.66		
Tata				
Trombay 5	10.02	246.47	492	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.82	68.95	123	113
Trombay 7B	1.62	41.03	70	66
Trombay 8	5.45	115.75	248	198
TATA Hydro	2.68	79.26	278	0
Total	22.60	551.46		
R-INFRA				
1-2	5.40	240.23	260	200
Total	5.40	240.23		

Infirm Power	Chandrapur 8	0.00	Koradi 9	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	88.67	2489.86
MSPGCL Thml+Gas	99.50	2758.53

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	10.43	182.36
MSPGCL Total	109.93	2940.88

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	5.01	98.03
State Total	289.60	7427.48

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 26/Mar/2016

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													
1	3346	523	457	4326	692	5519	0	5461	5515	-1351	14701	0	14701	2267	16968	49.95
2	3402	328	460	4190	504	5735	0	5345	4982	-1183	14228	0	14228	2079	16307	49.98
3	3410	213	467	4090	565	5713	0	5280	4666	-1045	13989	0	13989	1943	15932	49.97
4	3407	213	460	4080	566	5591	0	5229	4680	-954	13963	0	13963	1854	15817	49.96
5	3407	212	458	4077	546	5609	0	5204	5276	-926	14582	0	14582	1827	16409	49.97
6	3522	212	469	4203	412	5602	0	5351	5050	-985	14282	0	14282	1891	16173	49.97
7	3801	222	456	4479	311	5834	0	5510	5895	-839	15680	0	15680	1913	17593	50.01
8	4072	203	470	4745	308	6140	19	5579	5648	-795	16065	0	16065	1969	18034	50.01
9	4024	212	470	4706	210	5967	66	5797	6095	-976	16068	0	16068	2174	18242	49.99
10	4078	660	463	5201	181	5923	113	5906	5997	-1130	16285	0	16285	2473	18758	49.98
11	4116	846	435	5397	133	6187	152	5970	6073	-1243	16699	0	16699	2666	19365	49.96
12	4096	1133	436	5665	92	6185	166	6139	6027	-1329	16806	0	16806	2785	19591	49.98
13	3734	1155	432	5321	70	5885	177	6097	5889	-1348	15994	0	15994	2796	18790	49.95
14	3927	981	455	5363	123	5842	166	5943	5949	-1298	16145	0	16145	2665	18810	49.98
15	4007	734	431	5172	193	5944	142	5970	6220	-1280	16391	0	16391	2696	19087	49.89
16	4008	482	435	4925	284	6097	120	5990	6067	-1321	16172	0	16172	2709	18881	49.95
17	3707	303	439	4449	386	5967	69	5891	6537	-1302	16106	0	16106	2683	18789	49.89
18	3396	151	448	3995	604	5725	21	5692	5688	-1354	14679	0	14679	2615	17294	49.95
19	3574	237	450	4261	645	5730	2	5691	5391	-1336	14693	0	14693	2561	17254	49.94
20	4006	315	438	4759	727	5847	0	5960	5596	-1343	15586	0	15586	2647	18233	49.92
21	3514	204	456	4174	799	5821	0	5931	5975	-1395	15374	0	15374	2607	17981	49.93
22	3381	204	449	4034	911	5689	0	5808	5433	-1443	14624	0	14624	2484	17108	49.95
23	3301	299	445	4045	808	5510	0	5822	6233	-1489	15107	0	15107	2430	17537	49.91
24	3431	384	454	4269	694	5626	0	5734	5900	-1470	15019	0	15019	2406	17425	49.96
MUs	88.67	10.43	10.83	109.93	10.76	139.69	1.21	137.30	136.78	-29.14	369.24	0.00	369.24	57.14	426.38	49.96

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 26/Mar/2016

Position as on 6.30 Hrs of 27/Mar/2016

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,(Converted to AOH for 30 Days from 00.00Hrs 06-03-2016)	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
MSPGCL	Koyna Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
MSPGCL	Khaparkhedha Unit 5	500	15/03/2016	01.12		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 3A	230	06/06/2013	08.28		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	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No schedule	
MSPGCL	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Economic Shutdown.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Water Shortage	
MSPGCL	Parli Unit 6	250	25/06/2015	15.03		Continued.	Water Shortage	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
MSPGCL	Parli Unit 5	210	06/07/2015	14.55		Continued.	Water Shortage.	
MSPGCL	Parli Unit 7	250	08/07/2015	12.08		Continued.	Water Shortage	
MSPGCL	Chandrapur Unit-8	500	10/11/2015	12.10		Continued.	Drum level low	
RGPL	Dabhol 3B	230	07/01/2016	17:51		Continued.	Change Over.	
MSPGCL	Chandrapur Unit 2	210	12/01/2016	04.47		Continued.	Boiler Tube Leakage	
RGPL	Dabhol 3X	290	03/02/2016	15:36		Continued.	Change Over	
CPP	WPCL U-1	135	16/02/2016	17.09		Continued.	Change Over , No Schedule	
MSPGCL	Koradi Unit 5	200	18/02/2016	11.21		Continued.	MSEDCL Zero Shedule.	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
MSPGCL	Koradi Unit 7	210	01/03/2016	23.55		Continued.	Zero Schedule Given by MSEDCL.	
MSPGCL	Uran Unit 8	108	04/03/2016	22.55		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 6	500	05/03/2016	10.15		Continued.	Turbine bearing Vabration high	
MSPGCL	Koradi Unit-8	660	10/03/2016	12.30		Continued.	Ash Evacuation problem	
MSPGCL	Koyna Unit 11	80	11/03/2016	13.53		Continued.	stator earth fault	
RINFRA-G	REL Unit 2	250	18/03/2016	08.39		Continued.	Stator Earth Fault	
IPP	RPL(AMT) U-1	270	20/03/2016	00.00		Continued.	Zero schedule by MSEDCL	
MSPGCL	Koradi Unit 9	660	21/03/2016	00.47		Continued.	Ash Evacuation problem	
MSPGCL	Bhusawal Unit 2	210	24/03/2016	00.05		Continued.	MSEDCL Zero Schedule	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 26/Mar/2016

Position as on 6.30 Hrs of 27/Mar/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Nasik Unit 4	210	24/03/2016	00.10		Continued.	MSEDCL Zero Schedule	
MSPGCL	Koyna Unit 9	80	26/03/2016	21.45	27/03/2016	05.30	BFV Motor pipe line oil leakage	
RGPPPL	Dabhol 2X	290	27/03/2016	08.50	27/03/2016	12.26	HP Exhaust Steam Temp trip	
RGPPPL	Dabhol 2B	230	27/03/2016	08.50	27/03/2016	10.54	Hand Trip	
RGPPPL	Dabhol 2A	230	27/03/2016	08.50	27/03/2016	14.19	Loss of Flame	
RGPPPL	Dabhol 2A	230	27/03/2016	19.25	27/03/2016	20.54	Drum level low	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Mar/2016

Statement-VII

Position as on 6.30 Hrs of 27/Mar/2016

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							
Kolhapur Solapur(PG) I	InterState	25/03/2016	17.31	26/03/2016	06.32	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	25/03/2016	17.38		Continued.	HT	Over Voltage
Parli(MS)-Parli (PG) II	InterState	26/03/2016	12.17	26/03/2016	14.10	EO	Sparking on Isolator
Kolhapur Solapur (PG) II	InterState	26/03/2016	21.33	27/03/2016	07.37	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	27/03/2016	16.39		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	31/12/2015	18.16		Continued.	HT	Change over(outage taken on 2/3/2016 at 10.34hrs for commissioning of 765KV Ektuni S/Stn)
Bhusawal-Aurangabad	IntraState	14/03/2016	17.29	26/03/2016	11.12	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	17/03/2016	14.36		Continued.	PO	Attending Hot Spot RFC AT 17.24
N.Koyna-Karad -Ckt II	IntraState	25/03/2016	08.38	26/03/2016	08.58	PO	CVT Tan Deltaand R.M.Work (RFC 17.35Hrs)
karad -kolhapur-I	IntraState	25/03/2016	16.13	26/03/2016	07.26	HT	Over Voltage
Karad-Jaigad - I	IntraState	25/03/2016	18.01	26/03/2016	09.15	HT	Over Voltage
Jaigad-New Koyna Ckt-II	IntraState	26/03/2016	10.14	27/03/2016	09.19	PO	Annual Maintenance Work(RFC 17.05Hrs)
Khadka - Bableswhar	IntraState	26/03/2016	11.24	26/03/2016	20.47	PO	Testing Work
karad -kolhapur-II	IntraState	26/03/2016	16.36		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	26/03/2016	20.56		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	27/03/2016	16.41		Continued.	HT	Over Voltage
220 KV LINE Outages/Trippings							
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer 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 jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Kalwa - Borivali	IntraState	10/01/2016	09:15		Continued.	PO	Tower Erection Work.
GIS Bhandup - Borivali	IntraState	11/01/2016	07.42		Continued.	PO	Tower Erection Work.
Padghe - Vasai	IntraState	24/01/2016	08.32		Continued.	PO	For Formation of Temp. Padgha-Borivali (Charge upto 51/1).
Bableswhar- Ranjangaon	IntraState	03/02/2016	07.12		Continued.	HT	To Control BBLSR ICT O/L
Chitegaon-Shendra Ckt-I	IntraState	18/03/2016	06.57		Continued.	PO	For Making LILO Arrangement on Loc.NO 112 at Aurangabad PG S/S.
Chitegaon-Shendra Ckt-II	IntraState	18/03/2016	06.58		Continued.	PO	For Making LILO Arrangement on Loc.NO 112 at Aurangabad PG S/S.
Bableswhar- Alephata	IntraState	19/03/2016	19.44		Continued.	HT	To control BBLSR ICT Loading
Gcr Chandrapur - Grace Ltd	IntraState	25/03/2016	08.41	26/03/2016	01.22	PO	Numerical Dist.relay testing work
Khadaka-Chaligaon III	IntraState	25/03/2016	13.58	26/03/2016	18.29	T	Distance Protection
Pophali - Pedambe II	IntraState	26/03/2016	08.00	26/03/2016	12.25	PO	R Phase Jumper Replacement
Talandage(kolh'r)- Sawantwadi II	IntraState	26/03/2016	08.20	27/03/2016	18.51	PO	Making Cut Point at Loc.No.44
Kandalgaon - Pirangut	IntraState	26/03/2016	12.30	26/03/2016	12.40	T	Distance Protection
Padghe - Kamba	IntraState	26/03/2016	12.40	26/03/2016	14.28	PO	Stringing work of 220KV Padghe-Borivali Line
Padghe-Borivali	IntraState	26/03/2016	12.40	26/03/2016	14.28	PO	Dismantling of Old Tower and Stringing work on New M/C Tower
Nadgaonpeth-Amravati	IntraState	26/03/2016	14.06	26/03/2016	17.13	PO	Measurement of Tan Delta

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 26/Mar/2016

Statement-VII

Position as on 6.30 Hrs of 27/Mar/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Kamba - Kolshet	IntraState	26/03/2016	14.45	26/03/2016	16.05	PO	Dismantling of Old Tower and Stringing work on New M/C Tower
Borivali - Ghodbunder	IntraState	26/03/2016	18.35	26/03/2016	18.39	T	Tripped from Borivali, while Testing work
Borivali - Ghodbunder	IntraState	26/03/2016	22.35	27/03/2016	04.59	PO	Bus Section-II outage for Jumpering work of Boisar-I and Kharghar-I Bay
Tata Borivli MSETCL Borivli 5	IntraState	26/03/2016	22.40	27/03/2016	05.00	PO	Bus Section-II outage for Jumpering work of Boisar-I and Kharghar-I Bay
Padghe - Kamba	IntraState	27/03/2016	07.06	27/03/2016	12.41	PO	Dismantling of Old Tower and stringing work on new M/C Tower
Padghe-Borivali	IntraState	27/03/2016	07.32	27/03/2016	20.08	PO	Made LILO at Kamba S/Stn.
Ghodbunder - Versova	IntraState	27/03/2016	10.23	27/03/2016	12.29	PO	Line Maintenance work
220KV Theur- NandedCity	IntraState	27/03/2016	11.25	27/03/2016	14.10	PO	Jumpering work
Kamba - Kolshet	IntraState	27/03/2016	12.48	27/03/2016	18.42	PO	LILO work and conductor stringing work
Parli 3 (Old Gcr)-Osmanabad	IntraState	27/03/2016	20.56	27/03/2016	21.19	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)
132 KV LINE Outages/Trippings							
Padegaon - Canpack	IntraState	26/03/2016	12.05	26/03/2016	13.47	T	Distance Protection
Bodwad-Malkapur	IntraState	26/03/2016	14.20	27/03/2016	19.22	T	Distance Protection
Nanded - Jangamwadi II	IntraState	26/03/2016	18.29	26/03/2016	18.52	T	Distance Protection
Waghala -Nanded-I(Jangamwadi)	IntraState	26/03/2016	18.29	26/03/2016	18.57	T	Distance Protection
Anjangaon - Akot	IntraState	26/03/2016	20.55	26/03/2016	21.14	T	Distance Protection
Malkapur - Khamgaon	IntraState	27/03/2016	19.10	27/03/2016	19.17	T	Distance Protection

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