

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 24/Dec/2018 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	127.361	3241.682	1) Gujrat	2.758	34.380
2) Hydro	4.541	126.226	2) Madhya Pradesh	6.368	208.271
3) Gas	7.151	166.709	3) Chattisgarh	4.720	139.860
Total MSPGCL	139.053	3534.617	4) Maharashtra Net	102.089	2221.375
B) 1) APML	69.423	1649.637	5) Goa (Amona)	-0.220	-7.964
2) JSWEL	18.917	433.424	Total	115.715	2595.922
3) VIPL	11.042	225.087	a) Mumbai Schedule	23.742	438.074
4) RPL(AMT)	9.399	237.151	b) Mumbai Drawl	24.812	522.645
5) WPCL	0.000	27.408	c) MSEDCL Bilateral *	21.313	471.257
6) PGPL	0.000	0.000	Include PX	-3.698	-138.304
7) Other IPP	15.467	365.204	d) Mumbai Bilateral *	22.454	434.961
C) 1) TPCL Thermal	13.742	308.757	Include PX	3.341	28.908
2) TPCL Hydro	3.624	83.261	Include Standby	1.288	3.113
3) TPCL Gas	3.963	101.729	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	3.993	203.916	1) MSEDCL	364.990	8894.809
D) STATE			2) Mumbai Discoms	50.134	1220.299
1) Thermal	269.344	6692.266	TOTAL STATE	415.124	10115.108
(A1+C1+C4+(B1-B6))					
2) Hydro	8.165	209.487			
(A2+C2)					
3) Gas	11.114	268.438			
(A3+B6+C3)					
4) Wind	5.772	226.404			
6) SOLAR	5.014	122.600			
TOTAL STATE	299.409	7519.195			

* 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 19 Hrs	D. Night Minimum at 1 Hrs
MSPGCL Thermal	5827	5914	5529	4742
MSPGCL Hydro	548	316	146	92
MSPGCL Gas	294	285	292	313
MSPGCL Total Generation	6670	6516	5968	5148
Central Sector Receipt	6211	5833	5010	3219
WIND	272	187	92	244
CPP / IPP Thermal	5734	5627	5787	4277
CPP / IPP Gas	0	0	0	0
SOLAR	683	792	3	0
Exchange with Mumbai	-1200	-1276	-1449	-721
MSEDCL DEMAND MET	18370	17678	15411	12166
Load Shedding	0	0	0	0
MSEDCL DEMAND	18370	17678	15411	12166
TPCL GENERATION	1163	1126	1095	650
R-INFRA GENERATION	253	246	0	195
MUMBAI DEMAND	2616	2648	2544	1566
STATE DEMAND MET	20986	20326	17955	13732
STATE DEMAND	20986	20326	17955	13732
Frequency (Hz)	49.93	49.95	49.95	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 05.03 Hrs	49.78 Hz at 10.19 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 24/Dec/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	20.06	0	0
Unit 7	3.48	19.23	160	135
Unit 8	9.24	179.09	450	299
Unit 9	0.00	99.88	0	0
Unit 10	8.71	175.97	488	288
Total	21.43	494.22		
Bhusawal				
Unit 3	0.00	10.78	0	0
Unit 4	10.26	178.20	500	350
Unit 5	10.24	232.04	495	350
Total	20.50	421.02		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	11.08	0	0
Unit 7	0.00	37.54	0	0
Unit 8	4.75	116.90	218	175
Total	4.75	165.52		
Chandrapur				
Unit 3	4.13	100.97	183	155
Unit 4	4.06	100.34	185	160
Unit 5	9.37	222.02	415	363
Unit 6	0.00	209.24	0	0
Unit 7	9.57	216.29	430	362
Unit 8	10.08	240.80	470	368
Unit 9	10.02	240.31	470	350
Total	47.23	1329.97		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.44	127.24	252	197
Total	5.44	127.24		
Khaparkheda				
Unit 1	4.17	25.26	200	155
Unit 2	4.11	95.30	190	160
Unit 3	4.09	95.88	200	150
Unit 4	4.14	92.93	200	160
Unit 5	7.30	214.43	320	289
Total	23.81	523.80		
Nasik				
Unit 3	4.21	93.12	192	160
Unit 4	0.00	86.79	0	0
Unit 5	0.00	0.00	0	0
Total	4.21	179.92		
Uran				
All Units	7.15	166.71	315	275
Total	7.15	166.71		
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)	0.07	1.78	32	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.07	1.78		
Koyna				
Stage 1-2	1.04	35.61	100	10
Stage 4	0.48	9.01	187	0
Stage 3	0.27	9.93	80	0
Total	1.78	54.54		
Hydro				
KDPH	0.44	11.53	19	19
VTRNA	0.56	7.77	59	0
TILLARI	0.00	5.70	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.08	4.11	77	0
RNGR+BHTSA	0.31	7.91	13	12
BHANDARDRA	0.00	0.01	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.47	11.56	28	17
GHATGHAR	0.90	23.08	125	0
Total	2.76	71.68		
Wind				
Total	5.77	226.40	0	0
Total	5.77	226.40		
CPP				
APML(Mus)	69.42	1649.64	0	0
JSWEL(Mus)	18.92	433.42	0	0
VIPL(Mus)	11.04	225.09	0	0
RPLAMT(Mus)	9.40	237.15	0	0
WPCL(Mus)	0.00	27.41	0	0
Other(Mus)	15.47	365.20	0	0
Total	124.25	2937.91		
SOLAR				
Total	5.01	122.60	0	0
Total	5.01	122.60		
Tata				
Trombay 5	8.70	189.28	473	303
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.55	64.36	117	78
Trombay 7B	1.42	37.36	69	39
Trombay 8	5.05	119.48	236	202
TATA Hydro	3.62	83.26	294	0
Total	21.33	493.75		
R-INFRA				
DTPS U-1&2	3.99	203.92	253	0
Total	3.99	203.92		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	127.36	3241.68	MSPGCL Total	139.05	3534.62
			MSPGCL Thml+Gas	134.51	3408.39	Koyna 1,2 & 4 Total	1.51	44.62
			MSPGCL Hydro	4.54	126.23	State Total	299.41	7519.20

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 24/Dec/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	4742	92	313	5148	244	4277	0	0	3284	3219	-721	12166	0	12166	1566	13732	50.05
2	4743	94	312	5148	302	4259	0	0	3635	3422	-632	12500	0	12500	1455	13955	50.01
3	4759	88	304	5152	366	4243	0	0	3825	3548	-563	12746	0	12746	1383	14129	50.06
4	4765	88	314	5168	441	4250	0	0	3802	3528	-518	12868	0	12868	1338	14206	50.02
5	4765	88	304	5158	571	4264	0	0	3846	4141	-534	13600	0	13600	1353	14953	50.02
6	4907	94	313	5314	517	4463	0	0	4289	4766	-645	14415	0	14415	1462	15877	49.99
7	5150	148	315	5614	413	4999	0	2	5011	4978	-769	15237	0	15237	1605	16842	49.98
8	5668	104	304	6076	451	5596	0	58	5262	5554	-735	16999	0	16999	1788	18787	49.95
9	5627	272	313	6212	387	5763	0	272	5401	5633	-898	17369	0	17369	2118	19487	49.97
10	5785	290	296	6372	329	5780	0	497	5571	5633	-1007	17604	0	17604	2411	20015	49.90
11	5827	548	294	6670	272	5734	0	683	5919	6211	-1200	18370	0	18370	2616	20986	49.93
12	5874	540	277	6692	247	5628	0	782	6099	6120	-1386	18082	0	18082	2685	20767	49.96
13	5914	316	285	6516	187	5627	0	792	5953	5833	-1276	17678	0	17678	2648	20326	49.95
14	5844	166	275	6286	189	5647	0	746	5463	5697	-1302	17262	0	17262	2503	19765	49.95
15	5755	266	285	6306	110	5643	0	552	5494	5607	-1235	16982	0	16982	2500	19482	49.94
16	5689	148	285	6122	106	5625	0	397	5656	5624	-1178	16696	0	16696	2512	19208	49.95
17	5603	150	287	6040	123	5693	0	182	5148	4818	-1197	15659	0	15659	2499	18158	49.94
18	5550	194	289	6034	53	5768	0	48	4858	4894	-1259	15537	0	15537	2492	18029	49.94
19	5529	146	292	5968	92	5787	0	3	5018	5010	-1449	15411	0	15411	2544	17955	49.95
20	5549	74	294	5918	121	5636	0	0	5199	4823	-1500	14998	0	14998	2457	17455	49.99
21	5001	102	296	5400	69	5148	0	0	4529	4644	-1354	13906	0	13906	2292	16198	49.99
22	4823	158	296	5276	52	4833	0	0	4287	4422	-1226	13358	0	13358	2140	15498	49.98
23	4769	192	309	5270	65	4808	0	0	3957	3848	-1159	12833	0	12833	1958	14791	49.95
24	4723	178	299	5200	65	4776	0	0	3578	3742	-1069	12713	0	12713	1809	14522	50.01
MUs	127.36	4.54	7.15	139.05	5.77	124.25	0.00	5.01	115.08	115.72	-24.81	364.99	0.00	364.99	50.13	415.12	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 24/Dec/2018

Position as on 6.30 Hrs of 25/Dec/2018

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	Nasik Unit 5	210	22/11/2018	03.50		Continued.	Boiler Tube Leakage work completed on 24/11/2018. Available against case 4 from 25/11/2018. Converted to COH from 00:00 Hrs of 05/12/2018 (for 40 Days)	
RINFRA-G	REL Unit 1	250	23/12/2018	06.06		Continued.	For COH.	
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 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	RPL(AMT) U-5	270	21/09/2018	00.05	24/12/2018	04.48	Poor Coal Receipt	
MSPGCL	Koyana Unit 4	70	03/11/2018	09.02		Continued.	Stator Earth Fault	
MSPGCL	Koyana Unit 1	70	26/11/2018	00.00		Continued.	Oil Cooler Leakage.	
IPP	SWPGL U-2	135	27/11/2018	00.00		Continued.	No Schedule.	
IPP	JSW (J) U4	300	07/12/2018	01.15	25/12/2018	21.31	No Schedule.	
MSPGCL	Parli Unit 6	250	12/12/2018	00.00		Continued.	ZERO SCHEDULE.	
MSPGCL	Parli Unit 7	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-1	270	14/12/2018	16.00		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	
MSPGCL	Koradi Unit 9	660	19/12/2018	21.05		Continued.	Due to PCR,CHP & CW Line blockage work	
MSPGCL	Koradi Unit 6	210	22/12/2018	01.18		Continued.	Bearing Temperature high	
MSPGCL	Chandrapur Unit 6	500	22/12/2018	20.05		Continued.	Boiler Tube Leakage	
MSPGCL	Nasik Unit 4	210	23/12/2018	17.35	25/12/2018	16.09	ID Fan Problem	
RINFRA-G	REL Unit 2	250	24/12/2018	17.48		Continued.	Boiler Tube Leakage	
MSPGCL	Khaparkheda Unit 4	210	25/12/2018	08.04	25/12/2018	19.58	Furnace Pressure High	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 24/Dec/2018

Position as on 6.30 Hrs of 25/Dec/2018

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	25/12/2018	17.48		Continued.	HEAVY STEAM LEAKAGE.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Dec/2018

Statement-VII

Position as on 6.30 Hrs of 25/Dec/2018

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	23/12/2018	20.39	24/12/2018	05.55	T	Over Voltage
Chandrapur - Padghe Hvdc Pole 2	IntraState	24/12/2018	01.24	24/12/2018	15.20	T	AC Conductor Ground Fault.
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	17/12/2018	17.35	24/12/2018	11.20	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	24/12/2018	18.09		Continued.	HT	Over Voltage
Dhule- Bableshwar - I	IntraState	23/12/2018	08.03	24/12/2018	18.30	PO	OPGW Installation Work.(RFC-20.30)
Khadka-Aurangabad (Waluj)	IntraState	23/12/2018	17.50	24/12/2018	09.47	HT	Over Voltage
Jaigad-Karad Ckt-II	IntraState	23/12/2018	20.16	24/12/2018	09.38	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	23/12/2018	21.41	24/12/2018	07.39	HT	Over Voltage
Dhule- Bableshwar - I	IntraState	24/12/2018	10.11	25/12/2018	07.55	PO	Routine Maintenance Work
Khadka-Aurangabad (Waluj)	IntraState	24/12/2018	17.53	25/12/2018	08.02	HT	Over Voltage
Karad-Jaigad - I	IntraState	24/12/2018	21.07	25/12/2018	09.23	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	24/12/2018	21.34	25/12/2018	07.58	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	25/12/2018	18.07		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	25/12/2018	20.36		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	25/12/2018	20.37		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.
400/220/33kv 500MVA ICT 5 @ Padghe	IntraState	25/11/2018	00.54		Continued.	T	NDR ALARM CHANGED ON HUMMING AT (30-12-2018 AT 18.21.)
400/220kv 315MVA ICT-I@Parly	IntraState	24/12/2018	15.40		Continued.	PO	Replacement Of B-PH Unit By Re pared One.
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.
Badnera - Deoli (PG)	InterState	24/12/2018	10.44	24/12/2018	18.00	PO	Tower Erection work.
Nasik Navsari I	InterState	24/12/2018	17.51	25/12/2018	15.02	T	Distance Protection
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.
Kalwa-TIFIL	IntraState	27/11/2018	06.06		Continued.	EO	Tapping Of Tifil Substation On 220KV Kharghar-Borivali Line
Kalwa - Siemens	IntraState	27/11/2018	13.13		Continued.	HT	To Shift Load On Kharghar ICT
Padgha - Temghar I	IntraState	03/12/2018	08.15		Continued.	EO	To control load on Padgha ICTs.
Padgha-Temghar-II	IntraState	03/12/2018	08.15		Continued.	EO	To control load on Padgha ICTs.
Taloja li - OCIL-II	IntraState	18/12/2018	12.43		Continued.	PO	REPLACEMENT OF METERING CTs & PTs AT OCIL END.
Nashik-Airoli Knowledge Park	IntraState	22/12/2018	06.27	24/12/2018	20.18	PO	Stringing Work of Conductor & OPGW Work.
Ghatghar - Bapgaon	IntraState	22/12/2018	06.55	24/12/2018	01.20	PO	Stringing Work. of Conductor & opgw 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 24/Dec/2018

Statement-VII

Position as on 6.30 Hrs of 25/Dec/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Ranjangaon-Fiat 2	IntraState	24/12/2018	06.45	24/12/2018	17.15	PO	Annual Maintenance Work
Ranjangaon-Fiat 1	IntraState	24/12/2018	06.45	24/12/2018	17.15	PO	Annual Maintenance Work
Pedhambe - Oni	IntraState	24/12/2018	09.05	24/12/2018	18.15	PO	Cleaning Of Insulator String.
TALANDGE TILWANI CKT-II	IntraState	24/12/2018	10.05	24/12/2018	17.18	PO	Bay Maintenance Work.
Phophali Stg I Bus section II	IntraState	24/12/2018	12.10	24/12/2018	20.05	PO	To Attend Broken Conductor.
Trombay - Kalwa	IntraState	24/12/2018	14.50		Continued.	PO	For Replacement Of Rusted Tower.
Trombay - Mulund	IntraState	24/12/2018	15.14		Continued.	PO	For Replacement Of Rusted Tower.
Nanded - Parli Ext. Ckt I	IntraState	25/12/2018	06.05	25/12/2018	07.01	T	Distance Protection
Ranjangaon-Fiat 1	IntraState	25/12/2018	09.04	25/12/2018	11.05	PO	TAN DELTA MEASUREMENT.
Kharepatan -Pawas Line	IntraState	25/12/2018	09.07	25/12/2018	18.03	HT	INSULATOR STRING CLEANING WORK.
Pophali - New Koyana	IntraState	25/12/2018	09.10	25/12/2018	17.38	PO	Routine Maintenance Work
Pirangut - Hinjawadi 2	IntraState	25/12/2018	10.08	25/12/2018	18.02	PO	HARDWARE CONVERSION & CHEMICAL WASHING.
Ranjangaon-Fiat 2	IntraState	25/12/2018	11.09	25/12/2018	11.50	PO	TAN DELTA MEASUREMENT.
Paranda-Barshi	IntraState	25/12/2018	11.22	25/12/2018	13.25	PO	Routine Maintenance Work
220 KV ICT Outages/Trippings							
220/22kV 100MVA T/F-II @ Nalasopara	IntraState	20/12/2018	21.20		Continued.	T	Differential and Bucholz.
220/132 Kv 200 Mva Cgl Ict 1 @Eklahre (Ocr)	IntraState	24/12/2018	09.45	24/12/2018	10.34	PO	REPLACEMENT OF ISOLATOR.
220/132kv 100MVA ICT I @Satara Midc	IntraState	25/12/2018	14.20	25/12/2018	15.35	PO	Routine Maintenance Work
132 KV LINE Outages/Trippings							
Bambhori(220) Dharangaon	IntraState	23/12/2018	18.32	24/12/2018	17.40	T	Tripped Due To Busting And Fire of R-PH Bus PT. Bambhori Dist prot Z2.R-Y 2.8KA,2.65KA.
Partur-Mantha	IntraState	25/12/2018	18.55	25/12/2018	19.20	T	Distance Protection
100 KV LINE Outages/Trippings							
Kandalgaon - Mhasala	IntraState	25/12/2018	15.00	25/12/2018	16.55	PO	INSULATOR STRING FLASH OVER.

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