

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 30/Sep/2016 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	77.616	2785.834	1) Gujrat	-0.097	-24.816
2) Hydro	6.267	261.343	2) Madhya Pradesh	11.830	321.792
3) Gas	10.411	221.719	3) Chattisgarh	8.260	183.680
Total MSPGCL	94.294	3268.896	4) Maharashtra Net	72.735	2399.769
B) 1) APML	63.764	1785.454	5) Goa (Amona)	-0.526	-16.854
2) JSWEL	21.398	599.016	Total	110.927	3421.515
3) VIPL	11.792	341.598	a) Mumbai Schedule	19.635	557.869
4) RPL(AMT)	0.000	65.208	b) Mumbai Drawl	26.505	723.928
5) WPCL	3.596	121.705	c) MSEDCL Bilateral *	26.694	806.991
6) PGPL	0.000	80.445	Include PX	-3.216	-59.980
7) Other IPP	2.613	75.988	d) Mumbai Bilateral *	19.635	557.355
C) 1) TPCL Thermal	14.244	382.399	Include PX	1.716	35.235
2) TPCL Hydro	4.453	153.413	Include Standby	0.000	0.514
3) TPCL Gas	4.351	127.149	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.099	307.127	1) MSEDCL	304.753	9677.236
D) STATE			2) Mumbai Discoms	59.652	1694.163
1) Thermal	205.122	6464.329	TOTAL STATE	364.405	11371.399
(A1+C1+C4+(B1-B6))					
2) Hydro	10.720	414.756			
(A2+C2)					
3) Gas	14.762	429.313			
(A3+B6+C3)					
4) Wind	21.737	613.132			
6) SOLAR	1.137	28.207			
TOTAL STATE	253.478	7949.737			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 18 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	3450	3314	3351	3024
MSPGCL Hydro	465	247	1112	63
MSPGCL Gas	428	420	434	454
MSPGCL Total Generation	4343	3981	4897	3541
Central Sector Receipt	5099	4847	4534	3690
WIND	793	962	951	1079
CPP / IPP Thermal	4498	4429	4838	3739
CPP / IPP Gas	0	0	0	0
SOLAR	108	29	0	0
Exchange with Mumbai	-1119	-1335	-1079	-652
MSEDCL DEMAND MET	13722	12913	14141	11397
Load Shedding	0	0	0	0
MSEDCL DEMAND	13722	12913	14141	11397
TPCL GENERATION	1145	1087	1285	699
R-INFRA GENERATION	508	386	510	386
MUMBAI DEMAND	2772	2808	2874	1737
STATE DEMAND MET	16494	15721	17015	13134
STATE DEMAND	16494	15721	17015	13134
Frequency (Hz)	49.98	49.93	49.94	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.11 Hz at 21.51 Hrs	49.76 Hz at 05.16 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 30/Sep/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	10.83	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	51.03	0	0
Unit 8	0.00	274.50	0	0
Total	0.00	336.36		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	6.80	0	0
Unit 4	0.00	93.04	0	0
Unit 5	0.00	136.14	0	0
Total	0.00	235.98		
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
Total	0.00	0.00		
Chandrapur				
Unit 3	4.19	125.47	192	153
Unit 4	4.04	105.04	182	158
Unit 5	9.19	264.81	430	357
Unit 6	9.09	239.12	410	335
Unit 7	8.72	254.82	393	332
Unit 8	10.21	164.74	500	360
Total	45.45	1154.01		
Paras				
Unit 3	5.46	133.32	255	185
Unit 4	5.30	144.11	255	190
Total	10.76	277.44		
Khaparkheda				
Unit 1	0.00	45.01	0	0
Unit 2	0.00	62.12	0	0
Unit 3	0.00	70.68	0	0
Unit 4	0.00	68.43	0	0
Unit 5	8.60	260.02	395	320
Total	8.60	506.26		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	4.18	123.97	203	160
Unit 5	4.20	124.01	197	162
Total	8.37	247.98		
Uran				
All Units	10.41	221.72	454	415
Total	10.41	221.72		
PGPL				
Unit 1	0.00	51.09	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	0.00	29.35	0	0
Total	0.00	80.44		
PENCH (MS)				
Pench (MS)	0.96	28.35	47	37
Total	0.96	28.35		
Koyna				
Stage 1-2	2.72	89.82	315	40
Stage 4	0.75	42.40	508	0
Stage 3	1.29	41.66	240	0
Total	4.76	173.88		
Hydro				
KDPH	0.00	13.36	0	0
VTRNA	0.00	4.97	0	0
TILLARI	0.37	9.57	63	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.40	13.46	80	0
RNGR+BHTSA	0.06	2.73	15	0
BHANDARDRA	0.00	7.07	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.49	14.16	28	17
GHATGHAR	0.18	22.15	120	0
Total	1.51	87.46		
Wind				
Total	21.74	613.13	0	0
Total	21.74	613.13		
CPP				
APML(Mus)	63.76	1785.45	0	0
JSWEL(Mus)	21.40	599.02	0	0
VIPL(Mus)	11.79	341.60	0	0
RPLAMT(Mus)	0.00	65.21	0	0
WPCL(Mus)	3.60	121.70	0	0
Other(Mus)	2.61	75.99	0	0
Total	103.16	2988.97		
SOLAR				
Total	1.14	28.21	0	0
Total	1.14	28.21		
Tata				
Trombay 5	9.08	228.33	486	312
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.75	79.95	121	95
Trombay 7B	1.60	47.20	69	61
Trombay 8	5.17	154.07	250	197
TATA Hydro	4.45	153.41	387	21
Total	23.05	662.96		
R-INFRA				
1-2	10.10	307.13	511	385
Total	10.10	307.13		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	4.43	27.81
Koradi 9	0.00	0.00
Koradi 10	0.00	0.00
Parli 8	0.00	0.00

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	77.62	2785.83
MSPGCL Thml+Gas	88.03	3007.55
MSPGCL Hydro	6.27	261.34

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	94.29	3268.90
Koyna 1,2 & 4 Total	3.47	132.22
State Total	253.48	7949.74

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 30/Sep/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			THM	GAS										
1	3030	63	433	3526	1122	4039	0	0	4156	4160	-981	11866	0	11866	2066	13932	49.97
2	3037	58	444	3539	944	3791	0	0	3766	4014	-774	11514	0	11514	1860	13374	49.98
3	3063	58	436	3557	1086	3734	0	0	3541	3784	-671	11490	0	11490	1793	13283	49.94
4	3024	63	454	3541	1079	3739	0	0	3656	3690	-652	11397	0	11397	1737	13134	49.98
5	3008	63	444	3515	1355	3749	0	0	3983	4007	-635	11991	0	11991	1722	13713	49.95
6	3030	241	442	3713	942	3816	0	0	4667	4567	-746	12292	0	12292	1833	14125	49.90
7	3326	313	445	4084	1102	4074	0	0	4790	4766	-909	13117	0	13117	2014	15131	49.96
8	3391	313	442	4146	1011	4378	0	22	4646	4979	-991	13545	0	13545	2133	15678	49.98
9	3460	400	450	4310	871	4486	0	62	4722	4946	-1096	13579	0	13579	2471	16050	49.97
10	3450	465	428	4343	793	4498	0	108	4810	5099	-1119	13722	0	13722	2772	16494	49.98
11	3425	359	436	4220	684	4524	0	145	4896	4881	-1272	13182	0	13182	3039	16221	49.98
12	3344	128	415	3887	815	4527	0	171	4907	4747	-1425	12722	0	12722	3079	15801	49.94
13	3189	58	418	3665	795	4393	0	158	4879	4865	-1479	12397	0	12397	3058	15455	49.92
14	3195	63	427	3685	842	4348	0	145	4799	4813	-1453	12380	0	12380	2875	15255	49.98
15	3108	63	415	3586	770	4356	0	136	4794	5072	-1451	12469	0	12469	2906	15375	49.93
16	3089	88	429	3606	805	4340	0	113	4826	4976	-1455	12385	0	12385	2926	15311	49.95
17	3099	303	423	3825	870	4263	0	45	4773	4986	-1432	12557	0	12557	2906	15463	49.95
18	3314	247	420	3981	962	4429	0	29	4703	4847	-1335	12913	0	12913	2808	15721	49.93
19	3414	868	433	4715	983	4814	0	3	4439	4518	-1185	13848	0	13848	2805	16653	49.91
20	3351	1112	434	4897	951	4838	0	0	4498	4534	-1079	14141	0	14141	2874	17015	49.94
21	3423	479	430	4332	915	4813	0	0	4449	4775	-1044	13791	0	13791	2709	16500	50.00
22	3531	243	441	4215	779	4700	0	0	4446	4348	-982	13060	0	13060	2577	15637	49.99
23	3248	150	440	3838	658	4398	0	0	4606	4874	-1131	12637	0	12637	2392	15029	49.97
24	3067	69	432	3568	603	4114	0	0	4272	4682	-1208	11759	0	11759	2297	14056	49.98
MUs	77.62	6.27	10.41	94.29	21.74	103.16	0.00	1.14	108.02	110.93	-26.51	304.76	0.00	304.76	59.65	364.41	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 30/Sep/2016

Position as on 6.30 Hrs of 01/Oct/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,(AOH for 06.03.2016 To 04.04.2016) Unit Test synch.07.04.2016 (12.03 To 12.30hrs)After 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	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
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.	
CPP	WPCL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
IPP	RPL(AMT) U-5	270	24/05/2016	00.05		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Koradi Unit 9	660	04/06/2016	14.45		Continued.	No consent to operate	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
MSPGCL	Koyna Unit 8	80	19/08/2016	11.00		Continued.	High Vibration On LGB & UGB.	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Nasik Unit 3	210	28/08/2016	21.45		Continued.	Zero Shedule By MSEDCL.	
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	
IPP	RPL(AMT) U-2	270	12/09/2016	00.03		Continued.	Zero Schedule by MSEDCL	
PGPL	PGPL U2	126	14/09/2016	00.16		Continued.	Due To No Shedule.	
PGPL	PGPL U1	262	14/09/2016	00.20		Continued.	Due To No Shedule.	
IPP	RPL(AMT) U-1	270	14/09/2016	23.55		Continued.	Zero Schedule by MSEDCL	
IPP	RPL(AMT) U-4	270	15/09/2016	18.09		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Bhusawal Unit 4	500	15/09/2016	23.59		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Bhusawal Unit 3	210	16/09/2016	00.02		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Koradi Unit 7	210	16/09/2016	00.06		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Khaparkheda Unit 1	210	17/09/2016	13.39		Continued.	Zero Schedule by MSEDCL	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 30/Sep/2016

Position as on 6.30 Hrs of 01/Oct/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Khaparkheda Unit 2	210	17/09/2016	13.43		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Bhusawal Unit 5	500	17/09/2016	13.51		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Khaparkheda Unit 3	210	17/09/2016	20.40	01/10/2016	05.37	Zero Schedule by MSEDCL	
MSPGCL	Khaparkheda Unit 4	210	17/09/2016	20.48		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Parli Unit 7	250	22/09/2016	13.47		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Koyna Unit 11	80	24/09/2016	03.20		Continued.	Stator Earth Fault	
MSPGCL	Koradi Unit-8	660	26/09/2016	21.37		Continued.	01/10/2016 Not synchronise due to technical problem.	
CPP	WPCL U-4	135	26/09/2016	23.49	30/09/2016	07.01	Wet Coal.	
IPP	WPCL U-3	135	30/09/2016	23.21		Continued.	Wet Coal	
CPP	WPCL U-4	135	01/10/2016	00.30		Continued.	Wet Coal	
IPP	Adani U-3	660	01/10/2016	05.13		Continued.	Boiler Master Fuel Trip.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Sep/2016

Statement-VII

Position as on 6.30 Hrs of 01/Oct/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							
Dhule Sar'Sarovar I	InterState	29/09/2016	21.07	30/09/2016	06.26	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	29/09/2016	22.49	30/09/2016	06.40	HT	Over Voltage
Lamboti - Solapur (PG)	InterState	30/09/2016	10.07	30/09/2016	14.50	PO	Relay work
Kolhapur Solapur(PG) I	InterState	30/09/2016	20.57		Continued.	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	30/09/2016	23.26		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	01/10/2016	02.02		Continued.	T	Over Voltage
Ektuni-Bableswhar ckt II	IntraState	01/08/2016	09.53		Continued.	HT	To control Padgha-BBLSR L/L
karad -kolhapur-I	IntraState	17/09/2016	03.43	30/09/2016	17.22	T	Over Voltage,B Pole of Breaker Burst.
New Koyna - Dabhol-I	IntraState	26/09/2016	09.22		Continued.	PO	String Replacement/ Bend cross-arm and peak replacment Work.
Khadka-Aurangabad (Waluj)	IntraState	29/09/2016	17.12	30/09/2016	09.30	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	29/09/2016	23.37	30/09/2016	06.50	HT	Over Voltage
Karad - Jaigad - II	IntraState	29/09/2016	23.39	30/09/2016	08.54	HT	Over Voltage
Karad - Jaigad - II	IntraState	30/09/2016	12.27	30/09/2016	20.32	PO	Testing Work
Bhusawal-Aurangabad	IntraState	30/09/2016	17.07	01/10/2016	06.38	HT	Over Voltage
Padghe - Nagothane - II	IntraState	30/09/2016	18.05	30/09/2016	20.11	T	Bus Bar Protection Operated
Nagothane - Dabhol I	IntraState	30/09/2016	18.05	01/10/2016	06.44	T	IPS tube broken and fall down.(RFC 21.14Hrs)
Lonikand I - Koyna stage-IV	IntraState	01/10/2016	00.30	01/10/2016	06.43	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv, 500 MVA ICT-III @Babhleshwar	IntraState	20/08/2016	11.06		Continued.	PO	Shifted on TBC, by hot line jumper open for construction of kudas bay ektuni CKT-2 will remain off during this outage period.
400/220KV 500MVA ICT1@koradi 2	IntraState	28/09/2016	11.02		Continued.	EO	Attending Oil Leakage
400/220/33 Kv 315 MVA ICT -I @Nagothane	IntraState	30/09/2016	16.50	30/09/2016	20.02	EO	Attending Oil Leakage
400/220/33 Kv 500 Mva Ict-3 @Nagothane	IntraState	30/09/2016	18.05	30/09/2016	18.42	T	Bus Bar Protection Operated
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Talandage end)
Mudshingi - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Chikodi end)
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.
GIS Bhandup - Borivali	IntraState	11/01/2016	07.42		Continued.	PO	Tower Erection Work.
Bableswhar- Alephata	IntraState	26/08/2016	20.54		Continued.	HT	Hand tripped.
Deepnagar Bambhori	IntraState	22/09/2016	14.07		Continued.	T	Distance Protection
Kalwa - Borivali	IntraState	28/09/2016	08.02		Continued.	PO	Balance tower erection work
Chakan-Chinchwad	IntraState	29/09/2016	21.22	30/09/2016	05.57	PO	construction work
Telco- Chinchwad	IntraState	29/09/2016	21.39	30/09/2016	05.55	PO	construction work
Halkarni-Mahalaxmiline	IntraState	30/09/2016	09.11	30/09/2016	15.30	PO	Testing Work
Nagothane - Posco	IntraState	30/09/2016	11.01	30/09/2016	19.45	PO	Replacement of clamps
Parly-Parly Extn.-II	IntraState	30/09/2016	11.10	30/09/2016	15.30	EO	To attend Hot Spot
Osmanabad - Barshi	IntraState	30/09/2016	12.17	30/09/2016	19.51	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 30/Sep/2016

Statement-VII

Position as on 6.30 Hrs of 01/Oct/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Chakan-Chinchwad	IntraState	30/09/2016	21.26	01/10/2016	05.14	PO	Constrction Work.
Telco- Chinchwad	IntraState	30/09/2016	21.28	01/10/2016	05.10	PO	Constrction Work.
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 200 Mva Vijai Ict 1 @Babhleshwar	IntraState	03/09/2016	14.45		Continued.	PO	Dismantling of ICT 1 &transfer to 220kv Amalner S/S.
220/132kv 100MVA ICT-1@ Amalner	IntraState	26/09/2016	09.30		Continued.	PO	Augmentation work.
220/132Kv 200MVA ICT-I @ Akola	IntraState	30/09/2016	00.50	30/09/2016	15.15	T	y Phase CT Burst
220/132 Kv 200 Mva Cgl Ict 1 @Boisar-Ii	IntraState	30/09/2016	09.31	30/09/2016	21.11	PO	Testing Work
132 KV LINE Outages/Trippings							
Parbhani-Bageshwari	IntraState	30/09/2016	14.55	30/09/2016	15.17	T	Trip ckt faulty
Jalna220- Jalna Old	IntraState	30/09/2016	19.42	30/09/2016	20.10	T	Backup Protection
Jalna Midc -Jalna Old	IntraState	30/09/2016	19.42	30/09/2016	20.20	T	Distance Protection
100 KV LINE Outages/Trippings							
Vasai-Ii - Vasai 2 Line	IntraState	13/08/2016	08.53		Continued.	HT	ICT Problem.

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