

**State Load Despatch Center, Airoli (MSETCL) Statement I**  
**Daily system Report for 09/Jun/2015 TUESDAY**

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	121.053	1100.883	1) Gujrat	5.697	5.740
2) Hydro	8.503	114.058	2) Madhya Pradesh	9.536	131.284
3) Gas	6.306	58.808	3) Chattisgarh	5.260	35.070
<b>Total MSPGCL</b>	<b>135.862</b>	<b>1273.749</b>	4) Maharashtra Net	98.755	923.134
B) 1) APLM	57.310	510.960	5) Goa	-6.457	-61.894
2) JSWEL	17.190	144.058	6) TAPS 1&2 Injection	2.629	11.477
3) VIPL	10.280	103.365	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	4.790	46.520	8) Pench (MS)	0.000	0.758
5) WPCL	7.884	53.583	9) Pench (Excess)	0.000	-0.355
6) Other IPP	6.304	49.677	<b>Total</b>	<b>115.420</b>	<b>1044.456</b>
C) 1) TPCL Thermal	16.087	148.020	a) Mumbai Schedule	26.826	252.998
2) TPCL Hydro	3.624	33.713	b) Mumbai Drawl	32.241	275.551
3) TPCL Gas	2.581	24.047	c) MSEDCL Bilateral *	32.501	276.037
4) R-INFRA Thermal	11.537	108.186	Include PX	-0.529	3.349
D) STATE			d) Mumbai Bilateral *	26.826	252.998
1) Thermal	252.435	2265.252	Include PX	0.784	16.904
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	12.127	147.771	<b>H) ENERGY CATERED (MUs)</b>		
3) Gas	8.887	82.855	1) MSEDCL	335.714	3093.937
4) Wind	11.949	133.407	2) Mumbai Discoms	66.072	589.508
6) SOLAR	0.966	9.358	<b>TOTAL STATE</b>	<b>401.786</b>	<b>3683.445</b>
<b>TOTAL STATE</b>	<b>286.364</b>	<b>2638.643</b>			

\* 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	5498	5381	4895	4793
MSPGCL Hydro	574	773	357	58
MSPGCL Gas	258	256	260	266
MSPGCL Total Generation	6330	6410	5512	5117
Central Sector Receipt	5035	5365	4936	4206
WIND	282	291	912	334
CPP / IPP	4528	4642	4386	4124
SOLAR	151	89	0	0
Exchange with Mumbai	-1468	-1524	-1401	-1161
<b>MSEDCL DEMAND MET</b>	<b>14858</b>	<b>15273</b>	<b>14345</b>	<b>12620</b>
Load Shedding	44	35	40	40
MSEDCL DEMAND	14902	15308	14385	12660
TPCL GENERATION	1183	1220	1044	632
R-INFRA GENERATION	507	510	510	381
<b>MUMBAI DEMAND</b>	<b>3158</b>	<b>3254</b>	<b>2955</b>	<b>2174</b>
STATE DEMAND MET	18016	18527	17300	14794
<b>STATE DEMAND</b>	<b>18060</b>	<b>18562</b>	<b>17340</b>	<b>14834</b>
Frequency (Hz)	49.90	49.85	49.91	49.95

**FREQUENCY PARTICULARS**

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
<b>50.2 Hz at 18.02 Hrs</b>	<b>49.68 Hz at 14.23 Hrs</b>	<b>49.94</b>	<b>0 % of Time(min)</b>

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 09/Jun/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
<b>Koradi</b>				
Unit 5	3.61	16.71	155	145
Unit 6	0.00	0.00	0	0
Unit 7	1.30	6.35	145	0
<b>Total</b>	<b>4.90</b>	<b>23.06</b>		
<b>Bhusawal</b>				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	9.96	96.12	505	375
Unit 5	9.90	58.14	510	370
<b>Total</b>	<b>19.86</b>	<b>154.26</b>		
<b>Parli</b>				
Unit 3	3.40	31.76	160	120
Unit 4	0.00	0.00	0	0
Unit 5	3.57	32.11	154	143
Unit 6	4.17	43.83	240	0
Unit 7	5.10	46.78	250	195
<b>Total</b>	<b>16.25</b>	<b>154.48</b>		
<b>Chandrapur</b>				
Unit 1	0.00	0.00	0	0
Unit 2	3.62	28.04	156	147
Unit 3	4.33	38.63	201	165
Unit 4	4.11	37.93	185	160
Unit 5	9.33	83.80	429	365
Unit 6	8.94	84.60	405	201
Unit 7	0.58	54.70	192	0
<b>Total</b>	<b>30.92</b>	<b>327.70</b>		
<b>Paras</b>				
Unit 3	5.34	48.23	250	198
Unit 4	5.14	48.00	253	190
<b>Total</b>	<b>10.47</b>	<b>96.23</b>		
<b>Khaparkheda</b>				
Unit 1	3.80	27.58	170	145
Unit 2	3.72	31.72	175	130
Unit 3	4.09	36.12	185	163
Unit 4	3.94	34.31	167	161
Unit 5	9.70	90.64	450	365
<b>Total</b>	<b>25.25</b>	<b>220.37</b>		
<b>Nasik</b>				
Unit 3	4.54	42.30	205	180
Unit 4	4.37	41.11	203	170
Unit 5	4.48	41.39	200	179
<b>Total</b>	<b>13.40</b>	<b>124.79</b>		
<b>Uran</b>				
All Units	6.31	58.81	270	255
<b>Total</b>	<b>6.31</b>	<b>58.81</b>		
<b>PENCH (MS)</b>				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.00	0.76	23	0
<b>Total</b>	<b>0.00</b>	<b>0.76</b>		
<b>Koyna</b>				
Stage 1-2	3.80	37.28	540	40
Stage 4	0.20	34.93	185	0
Stage 3	1.21	16.17	160	0
<b>Total</b>	<b>5.21</b>	<b>88.39</b>		
<b>Hydro</b>				
KDPH	0.46	2.03	29	0
VTRNA	0.85	7.51	61	0
TILLARI	0.00	1.93	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.14	1.86	78	0
RNGR+BHTSA	0.22	1.55	9	8
BHANDARDRA	0.00	0.63	0	0
ELDARY	0.18	1.04	11	0
SMLHY_PTN	0.10	1.54	11	1
GHATGHAR	1.35	7.58	250	0
<b>Total</b>	<b>3.29</b>	<b>25.67</b>		
<b>Wind</b>				
Total	11.95	133.41	0	0
<b>Total</b>	<b>11.95</b>	<b>133.41</b>		
<b>CPP</b>				
APML(Mus)	57.31	510.96	0	0
JSWEL(Mus)	17.19	144.06	0	0
VIPL(Mus)	10.28	103.36	0	0
RPLAMT(Mus)	4.79	46.52	0	0
WPCL(Mus)	7.88	53.58	0	0
Other(Mus)	6.30	49.68	0	0
<b>Total</b>	<b>103.76</b>	<b>908.16</b>		
<b>SOLAR</b>				
Total	0.97	9.36	0	0
<b>Total</b>	<b>0.97</b>	<b>9.36</b>		
<b>Tata</b>				
Trombay 5	10.45	89.02	496	314
Trombay 6	0.00	13.80	0	0
Trombay 7A	1.43	13.50	60	59
Trombay 7B	1.15	10.55	49	47
Trombay 8	5.64	45.20	252	197
TATA Hydro	3.62	33.71	391	0
<b>Total</b>	<b>22.29</b>	<b>205.78</b>		
<b>R-INFRA</b>				
1-2	11.54	108.19	512	380
<b>Total</b>	<b>11.54</b>	<b>108.19</b>		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	121.05	1100.88
MSPGCL Thml+Gas	127.36	1159.69

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	8.50	114.06
MSPGCL Total	135.86	1273.75

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	4.00	72.22
State Total	286.36	2638.64

**State Load Despatch Center,Airoli (MSETCL)**  
**Hourly Load Data As on 09/Jun/2015**

**Annexure-2**

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	5010	58	266	5334	734	4373	0	4302	4586	-1356	13671	56	13727	2591	16318	49.92
2	4892	64	266	5222	678	4309	0	4182	4586	-1285	13510	40	13550	2420	15970	49.92
3	4793	64	266	5123	554	4206	0	4171	4573	-1241	13215	40	13255	2281	15536	49.95
4	4793	58	266	5117	334	4124	0	4103	4206	-1161	12620	40	12660	2174	14834	49.95
5	4801	64	269	5134	251	3962	0	4163	4604	-1114	12837	40	12877	2118	14995	49.95
6	4834	91	270	5195	314	3978	0	4366	4728	-1084	13131	44	13175	2141	15316	49.97
7	4865	144	270	5279	260	4019	1	4420	4710	-1079	13190	45	13235	2089	15324	49.92
8	4938	140	270	5348	140	4032	25	4477	4827	-1037	13335	45	13380	2185	15565	49.99
9	5013	228	263	5504	151	4206	85	4731	4992	-1082	13856	48	13904	2414	16318	50.03
10	5093	435	261	5789	355	4303	122	4780	5069	-1365	14273	48	14321	2853	17174	49.94
11	5392	825	261	6478	280	4460	152	4845	4859	-1444	14785	46	14831	3082	17913	49.93
12	5498	574	258	6330	282	4528	151	4941	5035	-1468	14858	44	14902	3158	18060	49.90
13	5576	209	255	6040	283	4638	119	4883	5276	-1559	14797	44	14841	3219	18060	49.90
14	5413	238	257	5908	226	4585	108	4850	5318	-1519	14626	39	14665	3182	17847	49.88
15	5381	773	256	6410	291	4642	89	4864	5365	-1524	15273	35	15308	3254	18562	49.85
16	5389	932	258	6579	350	4704	81	4885	4943	-1534	15123	35	15158	3254	18412	49.88
17	5101	1026	257	6384	647	4484	20	4779	5110	-1522	15123	35	15158	3252	18410	49.96
18	4811	749	264	5824	925	4233	11	4234	4433	-1621	13805	35	13840	3196	17036	49.99
19	4855	419	262	5536	1002	4196	2	3688	3480	-1530	12686	35	12721	2984	15705	50.00
20	4895	357	260	5512	912	4386	0	4374	4936	-1401	14345	40	14385	2955	17340	49.91
21	4923	349	263	5535	754	4291	0	4723	5060	-1228	14412	40	14452	2869	17321	49.93
22	4954	356	262	5572	781	4315	0	4755	4778	-1322	14124	40	14164	2796	16960	49.96
23	4952	205	262	5419	820	4351	0	4742	5041	-1367	14264	40	14304	2788	17092	49.96
24	4881	145	264	5290	625	4433	0	4753	4909	-1398	13859	40	13899	2815	16714	49.93
MUs	121.05	8.50	6.31	135.86	11.95	103.76	0.97	109.01	115.42	-32.24	335.72	0.99	336.71	66.07	402.78	49.94

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 09/Jun/2015**

Position as on 6.30 Hrs of 10/Jun/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
<b>PLANNED OUTAGE</b>								
CENT.SECTOR	Tarapur 1	160	12/10/2014	22:39		Continued.	Refueling work	
MSPGCL	Parli Unit 4	210	13/04/2015	11.27		Continued.	Turbine vibration high. Continued to AOH w.e.f.01.05.2015	
IPP	Adani U-1	660	01/06/2015	01.48		Continued.	Annual Overhaul	
<b>FORCED OUTAGE</b>								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPPL	Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
RGPPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
RGPPL	Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
RGPPL	Dabhol 3B	230	29/12/2013	06.14		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	Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Chandrapur Unit-8	500	29/03/2015	18.26		Continued.	Withdrawn	
MSPGCL	Koradi Unit-8	660	30/03/2015	20.22		Continued.	BLR Tripped.	
MSPGCL	Uran Unit 6	108	01/04/2015	16.35		Continued.	Gas shortage	
IPP	RPL(AMT) U-4	270	03/04/2015	11.42		Continued.	Boiler feed Pump problem.	
IPP	RPL(AMT) U-5	270	03/04/2015	14.22		Continued.	turbine Shaft Vibration high.	
IPP	RPL(AMT) U-3	270	05/04/2015	22.01		Continued.	Governor AVR Problem.	
MSPGCL	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
MSPGCL	Bhusawal Unit 3	210	20/04/2015	00.00		Continued.	no buyer as per msdcl reqirment	
IPP	JSW (J) U1	300	14/05/2015	19.16		Continued.	Turbine Bearing Problem	
IPP	WPCL U-2	135	31/05/2015	00.01	09/06/2015	18.02	ID Fan Problem	
IPP	RPL(AMT) U-2	270	01/06/2015	06.53		Continued.	Coal bunkering problem	
MSPGCL	Koradi Unit 7	210	02/06/2015	11.05	09/06/2015	04.59	Leakage at Chimany base.	
TPC-G	Trombay 6	500	05/06/2015	05.59		Continued.	Economic Shutdown.	
MSPGCL	Chandrapur Unit 7	500	07/06/2015	13.59	09/06/2015	19.18	Boiler Tube Leakage	
MSPGCL	Koyna STG-IV Unit-4	250	09/06/2015	11.00	10/06/2015	01.55	To attend water leakage SP Valve.	
MSPGCL	Parli Unit 6	250	09/06/2015	13.22	09/06/2015	15.31	Furnace Pressure High	
MSPGCL	Koyna STG- IV Unit - 1	250	09/06/2015	14.22		Continued.	Excitation major problem.	

**State Load Despatch Center, Airoli (MSETCL)      Statement-VI**  
**Details of Generating Unit Outages/Trippings for 09/Jun/2015**

Position as on 6.30 Hrs of 10/Jun/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 6	500	09/06/2015	23.58		Continued.	Cond.T/L.	

**State Load Despatch Center,Airoli (MSETCL)**  
**Details of Line outages/Trippings for 09/Jun/2015**

**Statement-VII**

Position as on 6.30 Hrs of 10/Jun/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage	
<b>765 KV LINE Outages/Trippings</b>								
Wardha PG -Aurangabad PG III	InterState	03/05/2015	07.24			Continued.	HT	To Control ICT Loading.
Wardha(PG)-Aurangabad(PG)- II	InterState	22/05/2015	16.44			Continued.	HT	To Control ICT Loading.
<b>500 KV LINE Outages/Trippings</b>								
Chandrapur - Padghe Hvdc Pole 2	IntraState	10/06/2015	00.07			Continued.	PO	P.M.Work
<b>400 KV LINE Outages/Trippings</b>								
Wardha (PG)-Warora II	InterState	20/05/2015	02.39			Continued.	T	Breaker Accumulator Oil Leakage
Kolhapur Mapusa I	InterState	08/06/2015	16.13	09/06/2015	09.44		HT	Over Voltage
Dhule Sar'Sarovar I	InterState	08/06/2015	18.16	09/06/2015	11.06		HT	Over Voltage
Parli (Pg) Bhadravati I	InterState	09/06/2015	00.56	09/06/2015	11.27		T	Distance Protection
Dhule Khandwa II	InterState	09/06/2015	12.09	09/06/2015	20.41		PO	Testing Work
Kolhapur Solapur (PG) II	InterState	09/06/2015	12.11	09/06/2015	16.33		PO	Shifted on TBC, Isolator blade replacement.
Kolhapur Mapusa II	InterState	09/06/2015	16.51			Continued.	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	09/06/2015	20.49			Continued.	HT	Over Voltage
Akola II - RPL(Rattanindia) Ckt I	IntraState	07/04/2015	00.27			Continued.	T	"R" Phase Metering CT Burst.
Akola II - Taptitanda	IntraState	20/05/2015	08.59			Continued.	HT	Ckt I and Ckt 2 new charged to control BLSR ICT loading.
Babhaleshwar-Taptitanda ckt-II	IntraState	06/06/2015	01.21			Continued.	HT	To control line loading
New Koyna - Dabhol-I	IntraState	08/06/2015	10.05			Continued.	PO	Outage.
karad -kolhapur-I	IntraState	08/06/2015	16.05	09/06/2015	09.21		HT	Over Voltage
Babhaleshwar - Padghe-I	IntraState	08/06/2015	16.55	09/06/2015	06.23		T	Distance Protection R Ph to Earth.
Bhusawal-Aurangabad	IntraState	08/06/2015	17.53	09/06/2015	10.29		HT	Over Voltage
Karad-Jaigad - I	IntraState	08/06/2015	18.38	09/06/2015	08.50		HT	Over Voltage
Chandrapur-Parali III	IntraState	09/06/2015	12.10	09/06/2015	19.38		PO	Fixing of Carona rings.
karad -kolhapur-II	IntraState	09/06/2015	16.37			Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	09/06/2015	17.54			Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	09/06/2015	21.47	10/06/2015	06.23		HT	Over Voltage
<b>400 KV ICT Outages/Trippings</b>								
400/220 Kv 500 MVA ICT II @Lamboti	IntraState	09/06/2015	05.28	09/06/2015	10.10		T	Tripped on REF.
400/220 Kv 500 MVA ICT-III @Kalwa	IntraState	09/06/2015	06.10	09/06/2015	08.50		PO	Testing and P.M.Work.
400/220kv 315 Mva ICT III @Karad	IntraState	09/06/2015	14.41	09/06/2015	15.43		EO	Attending Hot Spot
<b>220 KV LINE Outages/Trippings</b>								
Boisar(MS) - Boisar (PG) II	InterState	10/06/2015	00.46	10/06/2015	06.17		T	Dist Prot,B-Ph WT suspension insulator flashover.
Sahara-Urse	IntraState	03/03/2015	11.06			Continued.	PO	Tower erection work (90Days)
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 deenergising 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 deenergising the line bet.86 to 107.
Dahanu Boisar Line	IntraState	09/06/2015	04.25	09/06/2015	08.58		PO	Transfer of Tele Prodeshing System from PLCC to SDH.
Main Bus Section-I@ Pedambe	IntraState	09/06/2015	09.00	09/06/2015	11.45		PO	Damaged B-Ph conductor.
Uran - Kharghar I	IntraState	09/06/2015	10.40	09/06/2015	17.34		PO	Shifted on TBC,Rejumping of T conductor.
Padghe - Jambhul 2	IntraState	09/06/2015	11.13			Continued.	PO	Shifted on TBC,Bus isolator maint.

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 09/Jun/2015**

**Statement-VII**

Position as on 6.30 Hrs of 10/Jun/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Karad-Nerle	IntraState	09/06/2015	12.20	09/06/2015	19.51	PO	Stringing work.
Bhosari 2 - Telco	IntraState	09/06/2015	14.47	09/06/2015	16.25	T	Bus Bar Protection Operated
Boisar Versova Line	IntraState	10/06/2015	00.40	10/06/2015	06.29	PO	Transfer of teleprotection system equip. from PLCC to SDH.
Kharghar Trombay	IntraState	10/06/2015	06.38		Continued.	PO	Cable Work.
<b>220 KV ICT Outages/Trippings</b>							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/33kV 125 MVA Transformer 5 @Versova R/S	IntraState	09/06/2015	09.17	09/06/2015	16.11	PO	P.M.Work.
220/132 Kv 200 Mva Bbl Ict 1 @Beed	IntraState	09/06/2015	11.08	09/06/2015	16.24	PO	Attend CTR Fire Prot.System.
<b>132 KV LINE Outages/Trippings</b>							
Dondaicha- Shahada	IntraState	07/06/2015	21.08		Continued.	T	L A Brust @ Shahada.
Boisar Midc - Dahanu 1	IntraState	09/06/2015	10.00	09/06/2015	14.00	PO	P.M.Work.
<b>100 KV LINE Outages/Trippings</b>							
Pal - Kalwa	IntraState	06/06/2015	06.52		Continued.	PO	replacement of dp structure

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