

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 12/Jul/2022 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	106.841	1469.264	1) Gujrat	-7.448	-115.756
2) Hydro	8.913	125.329	2) Madhya Pradesh	2.808	53.270
3) Gas	3.253	52.562	3) Chattisgarh	3.980	44.470
Total MSPGCL	119.007	1647.155	4) Maharashtra	120.038	1768.924
B) 1) APML	41.385	552.046	5) Goa (Amona)	-1.580	-16.346
2) JSWEL	12.817	169.359	Total	117.798	1734.562
3) VIPL	0.000	0.000	a) Mumbai Schedule	35.062	405.806
4) RPL(AMT)	23.735	239.842	b) Mumbai Drawl	38.082	434.592
5) SWPGPL	7.824	93.466	c) MSEDCL Bilateral *	83.079	938.099
6) Other IPP	6.377	87.803	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	35.062	403.763
C) 1) TPCL Thermal	9.940	111.011	Include PX	0.000	0.000
2) TPCL Hydro	3.507	36.629	Standby	0.000	2.044
3) TPCL Gas	0.000	6.389	H) ENERGY CATERED (MUs)		
4) AEML Thermal	7.309	115.429	1) MSEDCL	356.482	4647.103
D) STATE			2) Mumbai Discoms	58.838	704.050
1) Thermal	216.228	2838.220	3) Other Discoms	8.639	106.133
(A1+C1+C4+(B1-B6))			TOTAL STATE	423.959	5457.286
2) Hydro	12.420	161.958			
(A2+C2)					
3) Gas	3.253	58.951			
(A3+B7+C3)					
4) Wind	71.288	591.042			
6) SOLAR	2.972	72.553			
TOTAL STATE	306.161	3722.724			

* 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 3 Hrs
MSPGCL Thermal	4574	5011	5129	3803
MSPGCL Hydro	436	261	444	323
MSPGCL Gas	141	129	139	130
MSPGCL Total Generation	5151	5401	5712	4256
Central Sector Receipt	6251	5150	4646	3345
WIND	2936	3039	3225	3082
CPP / IPP Thermal	4463	3792	4766	3587
CPP / IPP Gas	0	0	0	0
SOLAR	284	83	0	0
Exchange with Mumbai	-1959	-1908	-1651	-1063
MSEDCL DEMAND MET	16728	15156	16307	12918
Load Shedding	0	0	0	0
MSEDCL DEMAND	16728	15156	16307	12918
TPCL GENERATION	480	534	736	511
AEML GENERATION	308	307	304	313
MUMBAI DEMAND	2747	2749	2691	1887
OTHER DISCOM DEMAND	398	401	391	288
STATE DEMAND MET	19873	18306	19389	15094
STATE DEMAND	19873	18306	19389	15094
Frequency (Hz)	50.05	50.03	49.93	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.15 Hz at 13.05 Hrs	49.76 Hz at 13.44 Hrs	50	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Daily and Progressive Generation,Maximum,Minimum for 12/Jul/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	2.96	27.15	150	70
Unit 7	0.00	0.00	0	0
Unit 8	0.00	43.27	0	0
Unit 9	4.90	51.90	417	0
Unit 10	10.45	134.27	490	350
Total	18.31	256.58		
Bhusawal				
Unit 3	2.66	35.21	135	90
Unit 4	7.88	104.35	390	280
Unit 5	8.05	93.18	400	280
Total	18.59	232.74		
Parli				
Unit 6	4.19	57.20	212	148
Unit 7	0.00	45.49	0	0
Unit 8	2.54	2.55	159	38
Total	6.73	105.24		
Chandrapur				
Unit 3	0.00	20.97	0	0
Unit 4	2.19	29.03	102	83
Unit 5	6.89	85.87	300	265
Unit 6	6.02	76.46	280	225
Unit 7	0.00	0.00	0	0
Unit 8	9.14	117.72	453	302
Unit 9	9.63	118.25	453	327
Total	33.87	448.29		
Paras				
Unit 3	3.74	48.68	193	130
Unit 4	3.63	47.80	167	136
Total	7.37	96.48		
Khaparkheda				
Unit 1	2.88	33.50	140	105
Unit 2	3.23	35.40	155	120
Unit 3	3.59	35.49	180	132
Unit 4	0.00	0.00	0	0
Unit 5	8.99	114.99	450	285
Total	18.69	219.39		
Nasik				
Unit 3	2.24	41.68	121	42
Unit 4	1.06	36.94	61	25
Unit 5	0.00	31.92	0	0
Total	3.30	110.54		
Uran				
All Units	3.25	52.56	142	127
Total	3.25	52.56		
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)	0.04	1.49	20	0
Total	0.04	1.49		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	1.36	24.16	215	40
Stage 4	0.00	8.04	0	0
Stage 3	1.24	15.55	80	0
Total	2.59	47.76		
Hydro				
KDPH	0.00	0.65	0	0
VTRNA	0.32	6.85	60	0
TILLARI	0.32	4.07	58	0
BHIRA T.R.	0.50	3.91	60	0
SMLHY_PTN	5.14	60.60	230	201
GHATGHAR	0.00	0.00	0	0
Total	6.28	76.08		
Wind				
Total	71.29	591.04	0	0
Total	71.29	591.04		
CPP				
APML(Mus)	41.38	552.05	0	0
JSWEL(Mus)	12.82	169.36	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	23.74	239.84	0	0
SWPGPL-Mus	7.82	93.47	0	0
Other(Mus)	6.38	87.80	0	0
Total	92.14	1142.52		
SOLAR				
Total	2.97	72.55	0	0
Total	2.97	72.55		
Tata				
Trombay 5	6.46	63.02	301	263
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.00	3.82	0	0
Trombay 7B	0.00	2.57	0	0
TATA Hydro	3.51	36.63	293	75
Trombay 8	3.48	47.99	223	133
Total	13.45	154.03		
AEMIL				
DTPS U-1&2	7.31	115.43	314	284
Total	7.31	115.43		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	106.84	1469.26	MSPGCL Total	119.01	1647.16
			MSPGCL Thml+Gas	110.09	1521.83	Koyna 1,2 & 4 Total	1.36	32.20
			MSPGCL Hydro	8.91	125.33	State Total	306.16	3722.72

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/Jul/2022

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	LOAD SHED DING	MSEDC L DEM. WITH LS	MUMBAI DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	3754	384	130	4268	3343	3685	0	0	3568	3313	-1168	13106	0	13106	2075	334	15516	50.00
2	3836	322	141	4299	3215	3587	0	0	3421	3473	-1106	13160	0	13160	1955	308	15423	49.92
3	3803	323	130	4256	3082	3587	0	0	3135	3345	-1063	12918	0	12918	1887	288	15094	49.97
4	3812	323	141	4276	3090	3599	0	0	3562	3495	-999	13172	0	13172	1829	289	15290	50.00
5	3883	333	130	4346	2871	3571	0	0	3994	4175	-1011	13663	0	13663	1807	289	15759	50.02
6	3975	372	141	4488	2909	3679	0	0	4661	4812	-1119	14444	0	14444	1911	325	16680	49.99
7	4400	399	130	4929	3014	4023	0	24	5019	5389	-1281	15741	0	15741	2074	357	18172	49.99
8	4519	377	140	5036	2913	4199	0	83	5409	5793	-1454	16205	0	16205	2244	365	18814	50.04
9	4542	402	142	5086	2867	4341	0	162	5873	6052	-1747	16376	0	16376	2516	385	19277	50.07
10	4574	436	141	5151	2936	4463	0	284	6376	6251	-1959	16728	0	16728	2747	398	19873	50.05
11	4431	423	142	4996	2891	3860	0	337	6264	6399	-2074	16034	0	16034	2900	375	19309	50.02
12	4434	498	131	5063	2764	3564	0	372	6188	6125	-2094	15416	0	15416	2979	378	18773	50.00
13	4142	405	139	4686	2546	3373	0	371	6550	6385	-2036	14951	0	14951	2931	374	18256	49.99
14	4178	318	139	4635	2608	3113	0	465	6074	6080	-1955	14584	0	14584	2815	362	17761	49.95
15	4342	298	140	4780	2792	3158	0	305	6006	5985	-2013	14633	0	14633	2821	374	17828	49.98
16	4468	310	139	4917	2595	3304	0	280	5709	5526	-1959	14267	0	14267	2775	396	17438	50.01
17	4787	286	127	5200	2988	3574	0	182	5436	5182	-1955	14785	0	14785	2755	386	17926	50.00
18	5011	261	129	5401	3039	3792	0	83	5296	5150	-1908	15156	0	15156	2749	401	18306	50.03
19	5111	301	129	5541	3073	4339	0	24	5301	5150	-1768	15960	0	15960	2709	399	19068	50.04
20	5129	444	139	5712	3225	4766	0	0	4822	4646	-1651	16307	0	16307	2691	391	19389	49.93
21	5075	435	128	5638	2983	4711	0	0	4668	4384	-1620	15717	0	15717	2578	379	18674	49.91
22	5058	425	139	5622	3243	4163	0	0	4076	4045	-1460	15254	0	15254	2472	359	18085	49.97
23	5015	428	128	5571	3209	3956	0	0	3544	3321	-1389	14302	0	14302	2359	366	17027	50.00
24	4562	410	138	5110	3092	3720	0	0	3560	3323	-1293	13592	0	13592	2259	360	16211	50.03
MUs	106.84	8.91	3.25	119.01	71.29	92.13	0.00	2.97	118.51	117.80	-38.08	356.47	0.00	356.47	58.84	8.64	423.95	50.00

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 12/Jul/2022

Position as on 6.30 Hrs of 13/Jul/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Khaparkheda Unit 4	210	05/06/2022	00:07	13/07/2022	00:31	Annual Overhaul	20/07/2022
MSPGCL	Koyna Unit 9	80	15/06/2022	08:00		Continued.	Capital Overhaul	30/09/2022
IPP	Adani U-2	660	25/06/2022	04:18		Continued.	Annual Overhaul	22/07/2022
MSPGCL	Koradi Unit 8	660	04/07/2022	21:55		Continued.	Annual Overhaul	10/08/2022
FORCED OUTAGE								
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	No PPA	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage. (NO PPA From 20.05.2019)	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal shortage.(NO PPA From 20.05.2019)	
CENT.SECTOR	Tarapur 1	160	08/01/2020	10:37		Continued.	Refueling. While refueling preparation, some repair works identified which are being executed before refueling.	31/03/2023
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	22/10/2022
CENT.SECTOR	Tarapur 2	160	13/07/2020	04:38		Continued.	For cleaning of clogged basket strainer of cooling water system due to heavy ingress of debris from sea. The outage extended for repair and re-fueling.	31/03/2023
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
IPP	JSW (J) U1	300	16/03/2022	23:16		Continued.	Turbine Vibration	15/07/2022
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	01/09/2022
MSPGCL	Chandrapur Unit 7	500	15/06/2022	05:01		Continued.	Annual Overhaul	17/07/2022
MSPGCL	Ghatghar Unit-2	125	18/06/2022	10:00		Continued.	for Hydraulic Intake Gate Work	15/07/2022
MSPGCL	Uran Unit B0	120	24/06/2022	06:28		Continued.	Excitation channel fault(Converted to Gas Shortage from 26-06-22)	
MSPGCL	Uran Unit 8	108	24/06/2022	15:33		Continued.	Gas shortage	
IPP	RPL(AMT) U-3	270	30/06/2022	15:00		Continued.	Coal Shortage	
IPP	JSW (J) U4	300	01/07/2022	13:03		Continued.	Turbine bearing Vabration high	15/07/2022
IPP	SWPGPL U-1	135	04/07/2022	02:38		Continued.	PA Fan problem	15/07/2022
MSPGCL	Uran Unit 6	108	06/07/2022	17:51		Continued.	Gas shortage	
MSPGCL	Koyna STG-IV Unit-1	250	06/07/2022	18:30		Continued.	Governor problem	16/07/2022
TPC-G	Trombay 7A	120	07/07/2022	01:09		Continued.	Gas shortage	
TPC-G	Trombay 7B	60	07/07/2022	01:21		Continued.	Gas shortage	
MSPGCL	Koradi Unit 9	660	07/07/2022	13:54	12/07/2022	09:06	Boiler Tube Leakage	10/07/2022
MSPGCL	Chandrapur Unit 3	210	09/07/2022	11:58		Continued.	Furnace Pressure High	16/07/2022

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 12/Jul/2022

Position as on 6.30 Hrs of 13/Jul/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Nasik Unit 5	210	11/07/2022	17:00		Continued.	WET COAL	
MSPGCL	Parli Unit 7	250	11/07/2022	22:03		Continued.	Boiler Tube Leakage	14/07/2022
AEML	AEML Unit 2	250	13/07/2022	00:38		Continued.	Coal Shortage	
IPP	JSW (J) U2	300	13/07/2022	09:35		Continued.	CW Duct leakage.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Jul/2022

Statement-VII

Position as on 6.30 Hrs of 13/Jul/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV MAINBAY Outages/Trippings							
400KV MAIN BAY 413 OF SPARE BAY @ CHANDRAPUR 2	InterState	23/06/2022	20:33			EO	for requirement of trip coil material from 400 kv spare bay 413 CB and utilise it in 400 kv Warora Ckt 2 CB 425
MAIN BAY (431) OF 167 MVA SPARE ICT @ KORADI II	IntraState	16/06/2022	11:23			PO	1) Premonsoon maintenance work& 2) Routine Bay Maintenance.
400 KV LINE Outages/Trippings							
DHULE - SSNNL CKT - 2	InterState	11/07/2022	03:17	12/07/2022	16:33	HT	HT for Overvoltage
SOLAPUR PG - ALKUD	InterState	12/07/2022	11:26	12/07/2022	20:28	PO	Quarterly Maintenance & Diagnostic testing Work
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	30/06/2022	07:24			HT	H/T FOR CONTROLLING LINE LOADING
KHADKA-AURANGABAD (WALUJ)	IntraState	10/07/2022	17:30			HT	To control OV
220 KV MAINBAY Outages/Trippings							
MAIN BUS SECTION - 1 @ PARVATI	IntraState	12/07/2022	19:05		Continued.	T	DUE TO TREE BRANCH FALLEN ON PHURSINGI LINE.
220 KV LINE Outages/Trippings							
EKLAHARA(GCR)(NASIK)-BABLESHWAR 2	IntraState	27/04/2022	12:21			EO	Shifting of 220kv GCR-BBLR-2 line on 220kv TBC bay.
POPHALI - KDPH	IntraState	10/07/2022	14:22	12/07/2022	18:40	T	Tripped on DT
TATA BORIVLI MSETCL BORIVLI - 5	IntraState	11/07/2022	09:29			PO	Relay replacement at MSETCL Bor Project work.
BOISAR II - BOISAR (PG) CKT - 3	IntraState	11/07/2022	18:16	12/07/2022	09:16	T	TRIPPED ON BACKUP PROTECTION
HALKARNI - TILARI LINE	IntraState	11/07/2022	18:17	12/07/2022	11:44	T	TRIPPED ON D/P
GOREGAON - VERSOVA CKT - 2	IntraState	11/07/2022	22:14	12/07/2022	02:07	T	Tripped at Versova end only
BOISAR - VERSOVA	IntraState	12/07/2022	00:08	12/07/2022	07:27	HT	Load management purpose , since outage on 220 kV Boisar MSETCL Boisar PG ckt 3
BOISAR II - BOISAR (PG) CKT - 1	IntraState	12/07/2022	00:22	12/07/2022	07:21	EO	Outage required for safety purpose to attend breakdown work of Boisar-PGCIL-3 line by opening of R-Phase jumper at Loc no 27.
JEJURI (400 KV)-JEJURI- II	IntraState	12/07/2022	07:58	12/07/2022	08:45	T	TRIPPED ONLY FROM JEJURI END
JEJURI-LONAND	IntraState	12/07/2022	07:58	12/07/2022	07:43	T	TRIPPED ONLY FROM JEJURI END
THEUR-JEJURI	IntraState	12/07/2022	07:58	12/07/2022	21:15	T	TRIPPED ONLY FROM JEJURI END
TEMGHAR - KALWA	IntraState	12/07/2022	10:36	12/07/2022	15:48	EO	Temghar line isolator alignment work.
KALMESHVAR-PANDHURNA	IntraState	12/07/2022	10:54	12/07/2022	19:15	PO	FOR LINE MAINTENANCE WORK
HALKARNI - TILARI LINE	IntraState	12/07/2022	13:00	12/07/2022	14:02	HT	HAND TRIPPED DUE TO CB PROBLEM AT TILLARI
THEUR-JEJURI	IntraState	12/07/2022	13:52	12/07/2022	21:15	EO	RELAY TESTING WORK AT JEJURI END
KANDALGAON - PIRANGUT	IntraState	12/07/2022	16:52	12/07/2022	17:26	T	TRIPPED FROM KANDALGAON END ON D/P
ADLABS - PEDAMBE	IntraState	12/07/2022	18:11			T	TRIPPED ON D/P
EKLAHARE (OCR) - PADGHE	IntraState	12/07/2022	18:59	13/07/2022	03:12	HT	H/T FOR NASIK(GCR)-BBLR LINE LOADING
PHURSINGI-PARVATI	IntraState	12/07/2022	19:03	12/07/2022	19:39	T	DUE TO TREE BRANCH FALLEN ON PHURSINGI LINE. (CHARGED VIA TBC)
POPHALI - KDPH	IntraState	12/07/2022	23:30			T	TRIPPED ON DIST.PROTECTION
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	13/07/2022	07:49			T	TRIPPED ON DIST.PROTECTION

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Jul/2022

Statement-VII

Position as on 6.30 Hrs of 13/Jul/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
NEW KOYNA - NIWALI	IntraState	13/07/2022	10:17			T	TRIPPED ON DIST.PROTECTION
220 KV ICT Outages/Trippings							
220 / 110 / 22kV 250 MVA ICT 1 @ SALSETTE	IntraState	12/10/2020	11:35			T	Tripped due to Grid disturbance.
220/22 KV 50 MVA PTR 1 @ KANDALGAON	IntraState	14/12/2021	16:55			EO	For dismantling said 50MVA T/f 1 at 220 kV K'gaon S/s
220/22-22 KV 100 MVA PTR 3 @ PAL-DOMBIVALI	IntraState	12/07/2022	00:07	12/07/2022	10:24	T	Tripped on differential protection
220/132 KV 200MVA ICT 2 @ KURKUMBH	IntraState	12/07/2022	14:20	12/07/2022	16:35	PO	RELAY TESTING WORK
220/33 KV 50 MVA TF - 1@BELWANDI	IntraState	12/07/2022	16:35	12/07/2022	17:13	EO	SCADA maintenance works
220/132 KV 100 MVA ICT 1 @ LONIKAND 2	IntraState	12/07/2022	18:00	12/07/2022	19:02	T	ICT TRIPPED ON PRV
220/132 KV 200 MVA PTR NO 6 @ PARVATI	IntraState	12/07/2022	19:03	12/07/2022	19:26	T	DUE TO BUS SECTION-1 TRIPPED
110 KV LINE Outages/Trippings							
DHARAVI VIKHROLI	IntraState	30/08/2021	00:03			PO	Shifting of OPGW and stringing of conductor of 220 kV Trombay-Dharavi- Salsette line and replacement and shifting of conductor of Dharavi Powai and Dharavi Vikhroli line on new tower and dismantling old towers in section 32 to 38. 110 KV Vikhroli Powai line will be formed for dual feed to Vikhroli and Powai.
DHARAVI POWAI	IntraState	30/08/2021	00:03			PO	Shifting of OPGW and stringing of conductor of 220 kV Trombay-Dharavi- Salsette line and replacement and shifting of conductor of Dharavi Powai and Dharavi Vikhroli line on new tower and dismantling old towers in section 32 to 38. 110 KV Vikhroli Powai line will be formed for dual feed to Vikhroli and Powai.
WAGHIVALI - MANKHURD	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringing of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shifting these lines on new Multicircuit Towers between Darave to Vashi.
WAGHIVALI - CHEMBUR	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringing of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shifting these lines on new Multicircuit Towers between Darave to Vashi.

HT : Hand Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage