

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 15/Jun/2022 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	152.957	2468.840	1) Gujrat	-3.290	-92.743
2) Hydro	11.450	185.277	2) Madhya Pradesh	5.149	56.248
3) Gas	3.432	68.507	3) Chattisgarh	2.900	34.510
Total MSPGCL	167.839	2722.624	4) Maharashtra	169.855	2548.911
B) 1) APML	75.380	1071.218	5) Goa (Amona)	-1.117	-14.285
2) JSWEL	19.030	262.534	Total	173.497	2532.641
3) VIPL	0.000	0.000	a) Mumbai Schedule	33.389	509.519
4) RPL(AMT)	25.584	377.487	b) Mumbai Drawl	37.223	560.622
5) SWPGPL	9.255	124.458	c) MSEDCL Bilateral *	73.788	1049.530
6) Other IPP	13.109	216.363	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	33.389	509.310
C) 1) TPCL Thermal	15.427	230.711	Include PX	0.000	0.000
2) TPCL Hydro	4.825	73.547	Standby	0.000	0.209
3) TPCL Gas	1.924	24.949	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.565	160.697	1) MSEDCL	476.659	7147.376
D) STATE			2) Mumbai Discoms	70.965	1050.530
1) Thermal	322.307	4912.308	3) Other Discoms	9.437	141.513
(A1+C1+C4+(B1-B6))			TOTAL STATE	557.061	8339.419
2) Hydro	16.275	258.824			
(A2+C2)					
3) Gas	5.356	93.456			
(A3+B7+C3)					
4) Wind	29.626	398.265			
6) SOLAR	9.999	143.921			
TOTAL STATE	383.563	5806.774			

* 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 5 Hrs
MSPGCL Thermal	6031	6241	6393	6534
MSPGCL Hydro	451	260	318	460
MSPGCL Gas	139	139	152	143
MSPGCL Total Generation	6621	6640	6863	7137
Central Sector Receipt	9246	8938	6506	6318
WIND	405	641	2169	1076
CPP / IPP Thermal	5696	5984	5985	6038
CPP / IPP Gas	0	0	0	0
SOLAR	1287	1090	0	0
Exchange with Mumbai	-2097	-2016	-1458	-997
MSEDCL DEMAND MET	20726	20869	19622	19249
Load Shedding	0	0	0	0
MSEDCL DEMAND	20726	20869	19622	19249
TPCL GENERATION	845	910	1156	820
AEML GENERATION	490	496	478	485
MUMBAI DEMAND	3432	3422	3092	2302
OTHER DISCOM DEMAND	432	408	443	323
STATE DEMAND MET	24590	24699	23157	21874
STATE DEMAND	24590	24699	23157	21874
Frequency (Hz)	49.99	50.03	49.90	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.22 Hz at 16.10 Hrs	49.71 Hz at 19.33 Hrs	50.01	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 15/Jun/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.26	63.86	185	170
Unit 7	0.00	0.00	0	0
Unit 8	8.01	186.37	564	290
Unit 9	7.31	170.87	400	285
Unit 10	7.68	174.98	390	300
Total	27.26	596.08		
Bhusawal				
Unit 3	3.62	50.56	160	130
Unit 4	10.44	154.84	450	410
Unit 5	9.56	135.23	450	335
Total	23.62	340.62		
Parli				
Unit 6	5.13	71.92	248	160
Unit 7	4.98	64.07	234	154
Unit 8	3.18	46.92	137	128
Total	13.29	182.92		
Chandrapur				
Unit 3	3.12	43.38	154	124
Unit 4	2.96	45.10	128	116
Unit 5	8.53	127.39	365	310
Unit 6	9.28	137.07	402	355
Unit 7	1.42	113.41	300	0
Unit 8	11.04	160.73	480	440
Unit 9	11.03	111.26	470	452
Total	47.37	738.34		
Paras				
Unit 3	4.02	71.66	209	0
Unit 4	4.94	67.59	217	148
Total	8.96	139.25		
Khaparkheda				
Unit 1	3.42	47.34	155	135
Unit 2	3.36	52.09	155	125
Unit 3	4.30	61.76	182	177
Unit 4	0.00	13.16	0	0
Unit 5	10.64	160.96	475	410
Total	21.73	335.31		
Nasik				
Unit 3	3.89	56.98	184	135
Unit 4	3.62	41.98	165	133
Unit 5	3.22	37.36	153	113
Total	10.72	136.32		
Uran				
All Units	3.43	68.51	153	133
Total	3.43	68.51		
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)	0.22	4.49	23	0
Total	0.22	4.49		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	2.88	45.06	520	40
Stage 4	1.79	31.54	748	0
Stage 3	1.14	18.66	240	0
Total	5.81	95.27		
Hydro				
KDPH	0.48	7.56	20	20
VTRNA	0.00	0.00	0	0
TILLARI	0.35	2.42	58	0
BHIRA T.R.	0.26	4.20	80	0
SMLHY_PTN	4.21	70.21	202	167
GHATGHAR	0.12	1.13	100	0
Total	5.42	85.52		
Wind				
Total	29.63	398.26	0	0
Total	29.63	398.26		
CPP				
APML(Mus)	75.38	1071.22	0	0
JSWEL(Mus)	19.03	262.53	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.58	377.49	0	0
SWPGPL-Mus	9.26	124.46	0	0
Other(Mus)	13.11	216.36	0	0
Total	142.36	2052.06		
SOLAR				
Total	10.00	143.92	0	0
Total	10.00	143.92		
Tata				
Trombay 5	10.00	149.92	448	285
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.04	15.48	45	42
Trombay 7B	0.89	9.47	38	36
TATA Hydro	4.82	73.55	415	0
Trombay 8	5.42	80.79	229	221
Total	22.18	329.21		
AEMIL				
DTPS U-1&2	11.56	160.70	496	461
Total	11.56	160.70		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	152.96	2468.84	MSPGCL Total	167.84	2722.62
			MSPGCL Thml+Gas	156.39	2537.35	Koyna 1,2 & 4 Total	4.67	76.61
			MSPGCL Hydro	11.45	185.28	State Total	383.56	5806.77

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Jun/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	6701	357	143	7201	1330	6032	0	0	6751	6809	-1314	19713	0	19713	2840	345	22898	50.01
2	6607	311	143	7061	1322	6021	0	0	6531	6446	-1188	19341	0	19341	2639	321	22301	50.02
3	6553	336	153	7042	1172	6012	0	0	6316	6368	-1047	19244	0	19244	2475	303	22022	50.00
4	6572	317	143	7032	1145	6008	0	0	6244	6363	-990	19258	0	19258	2365	300	21923	50.03
5	6534	460	143	7137	1076	6038	0	0	6173	6318	-997	19249	0	19249	2302	323	21874	50.02
6	6303	1354	143	7800	1037	6057	0	1	6266	6441	-1133	19862	0	19862	2337	341	22540	50.03
7	6293	1741	143	8177	856	6067	0	84	6272	6445	-1082	20164	0	20164	2373	383	22920	49.99
8	6325	1010	153	7488	764	5979	0	326	6931	7231	-1385	19974	0	19974	2482	429	22885	50.02
9	6344	483	143	6970	946	5839	0	637	7408	7524	-1659	19824	0	19824	2777	433	23034	50.02
10	6287	379	141	6807	813	5860	0	990	7487	7814	-1809	20023	0	20023	3119	452	23594	50.07
11	6257	406	141	6804	703	5829	0	1202	8430	8188	-2023	20270	0	20270	3334	433	24037	50.02
12	6031	451	139	6621	405	5696	0	1287	9286	9246	-2097	20726	0	20726	3432	432	24590	49.99
13	6202	340	139	6681	430	5770	0	1269	9162	8872	-2042	20547	0	20547	3394	433	24374	49.97
14	6141	305	137	6583	445	5746	0	1261	9278	8643	-2016	20251	0	20251	3334	411	23996	50.01
15	6241	260	139	6640	641	5984	0	1090	8993	8938	-2016	20869	0	20869	3422	408	24699	50.03
16	6242	265	140	6647	1058	5896	0	939	8773	8396	-1987	20566	0	20566	3472	383	24421	50.09
17	5983	249	150	6382	1679	5605	0	615	8519	8171	-1930	20099	0	20099	3381	423	23903	50.10
18	6183	241	140	6564	1897	5793	0	256	7222	7155	-1792	19446	0	19446	3260	427	23133	50.01
19	6337	306	133	6776	2215	5977	0	43	6269	6020	-1586	18994	0	18994	3123	451	22568	49.97
20	6393	318	152	6863	2169	5985	0	0	6798	6506	-1458	19622	0	19622	3092	443	23157	49.90
21	6327	638	144	7109	1957	5929	0	0	6220	6468	-1449	19601	0	19601	3022	413	23036	50.03
22	6478	299	143	6920	1968	6064	0	0	6181	6330	-1396	19485	0	19485	2960	401	22846	50.02
23	6743	274	143	7160	1795	6082	0	0	6573	6416	-1391	19676	0	19676	2989	386	23051	50.00
24	6880	348	144	7372	1803	6089	0	0	6634	6391	-1436	19854	0	19854	3040	365	23259	49.99
MUs	152.96	11.45	3.43	167.84	29.63	142.36	0.00	10.00	174.72	173.50	-37.22	476.66	0.00	476.66	70.96	9.44	557.06	50.01

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 15/Jun/2022

Position as on 6.30 Hrs of 16/Jun/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		Continued.	Annual Overhaul	20/07/2022
MSPGCL	Koyna STG-IV Unit-2	250	13/06/2022	00:00		Continued.	Commissioning and installation of New TSLG governor	30/06/2022
IPP	RPL(AMT) U-5	270	15/06/2022	00:00		Continued.	Annual Overhaul	25/07/2022
MSPGCL	Koyna Unit 9	80	15/06/2022	08:00		Continued.	Capital Overhaul	30/09/2022
FORCED OUTAGE								
IPP	SWPGPL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
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	
MSPGCL	Uran Unit 5	108	11/06/2022	14:29		Continued.	Gas shortage	
MSPGCL	Uran Unit 6	108	13/06/2022	00:25		Continued.	Gas shortage	
MSPGCL	Uran Unit A0	120	13/06/2022	00:25		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 7	500	15/06/2022	05:01		Continued.	Turbine Gland steam temperature not maintained	22/06/2022
MSPGCL	Paras Unit 3	250	15/06/2022	11:05	15/06/2022	13:52	Furnace Pressure High	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Tripping for 15/Jun/2022

Statement-VII

Position as on 6.30 Hrs of 16/Jun/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							
MAIN BAY (409) OF KORADI 3 CKT-1 @ KORADI 2	IntraState	15/06/2022	10:02	15/06/2022	15:39	PO	Diagnostic testing of CB 409-Q52
400 KV LINE Outages/Trippings							
DHULE - KHANDWA CKT - 2	InterState	15/06/2022	10:53	15/06/2022	21:09	PO	For Line Bay AMP.
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	08/06/2022	16:32			HT	Load management
TBC @ KORADI-1	IntraState	15/06/2022	09:34	15/06/2022	19:01	PO	CT TAN Delta, Differential Protection
CHANDRAPUR 2- KUMBHARGAON (NANDED) CKT - 1	IntraState	15/06/2022	09:53	15/06/2022	23:29	PO	For replacement of faulty PID Disc Insulator
DEEPNAGAR - THAPTI TANDA	IntraState	15/06/2022	12:13	15/06/2022	16:50	PO	Relay Testing Work & Quarterly Maintenance work.
400 KV ICT Outages/Trippings							
400/220 KV 3X105 MVA ICT - 2 @ NAGOTHANE	IntraState	06/06/2022	12:33			PO	For CB replacement work. ICT will be in service through TBC.
400/220KV 315 MVA ICT - 2 @ NEW KOYNA	IntraState	15/06/2022	18:20	16/06/2022	01:00	EO	For attending hotspot
220 KV TBC Outages/Trippings							
TBC @ GHODBUNDER	IntraState	15/06/2022	10:07	15/06/2022	15:17	PO	For completing Pre-Monsoon activities.
220 KV MAINBAY Outages/Trippings							
TBC @ PARVATI	IntraState	15/06/2022	10:20			PO	CB overhauling work
220 KV LINE Outages/Trippings							
MULUND - GIS BHANDUP	IntraState	29/01/2022	15:44			T	CABLE FAULT
EKLAHARA(GCR)(NASIK)-BABLESHWAR 2	IntraState	27/04/2022	12:21			EO	Shifting of 220kV GCR-BBLR-2 line on 220kV TBC bay.
AAREY - AEML SAKI CKT - 2	IntraState	13/06/2022	10:31	15/06/2022	16:03	PO	Repair / restoration of 220 kV R-Phase cable with additional Joint.
BHUGAON - WARDHA (PG)	IntraState	14/06/2022	09:44	15/06/2022	18:12	PO	Routine line maintenance work
PADGHE - TEMGHAR - 2	IntraState	15/06/2022	00:11			PO	Bunching of 220KV Padgha-Temghar -1 & 2 line at Loc no. 80 and jumper removing at Loc. no.80 & 81 for diversion of 220KV Padgha-Temghar 2 line bay to 220KV Padgha-Temghar-1 line bay at Padgha S/s by availing simultaneous outages on 220KV Padgha-Temghar -1 & 2 line.
PADGHE - TEMGHAR - 1	IntraState	15/06/2022	00:39	15/06/2022	03:47	PO	Bunching of 220KV Padgha-Temghar -1 & 2 line at Loc no. 80 and jumper removing at Loc. no.80 & 81 for diversion of 220KV Padgha-Temghar 2 line bay to 220KV Padgha-Temghar-1 line bay at Padgha S/s by availing simultaneous outages on 220KV Padgha-Temghar -1 & 2 line.
BUS SECTION-4 @ TEMGHAR	IntraState	15/06/2022	04:38	15/06/2022	04:57	PO	For closing Bus section isolator 3 at 220kv Temghar ss(Reason: As Padgha Temghar 2 line will be under outage, taken by Line sub dn. kalwa hence there will be single source of 220kv Kalwa Temghar line on 220kv Bus section 4)

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jun/2022

Statement-VII

Position as on 6.30 Hrs of 16/Jun/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
BOISAR - VERSOVA	IntraState	15/06/2022	06:51			PO	Bunching on Tower no BTL 16, to facilitate Modification / relocation of existing tower no BTL 13 to BTL 15 for NHRCL projectNote: Post bunching of line, the configuration of line will change as below:1.220 kV Dahanu - Virar and 220 kV Viraj - Versova. 2.MSETCL Boisar will be disconnected from the AEML Versova and MSETCL Viraj for a period of 10 days (i.e.from 15/06/2022 to 24/06/2022). 3.Normalization of bunching shall be carried out on 25/06/2022
BOISAR II - VIRAJ	IntraState	15/06/2022	07:06			PO	Bunching on Tower no BTL 16, to facilitate Modification / relocation of existing tower no BTL 13 to BTL 15 for NHRCL projectNote: Post bunching of line, the configuration of line will change as below:1.220 kV Dahanu - Virar and 220 kV Viraj - Versova. 2.MSETCL Boisar will be disconnected from the AEML Versova and MSETCL Viraj for a period of 10 days (i.e.from 15/06/2022 to 24/06/2022). 3.Normalization of bunching shall be carried out on 25/06/2022
NIGADE- PETH LINE	IntraState	15/06/2022	07:50	15/06/2022	10:04	PO	Fixing of suspension clamp of pilot string at Loc No.60 & 119. Fixing of repair sleeve on damaged conductor between Loc No.60-61 B Ph.
AUXILARY BUS @ VAIRAG	IntraState	15/06/2022	10:38	15/06/2022	19:23	PO	Outage is required for Quarterly Maintenance
MAIN BUS @ VAIRAG	IntraState	15/06/2022	10:38	15/06/2022	19:23	PO	Outage is required for Quarterly Maintenance
LAMBOTI - VAIRAG	IntraState	15/06/2022	10:38	15/06/2022	19:22	PO	Outage is required for Quarterly Maintenance
VERSOVA - GORAI	IntraState	15/06/2022	11:17	15/06/2022	12:10	PO	Premonsoon maintenance work
PANDHARPUR - BHALVANI	IntraState	15/06/2022	11:30	15/06/2022	13:59	PO	Outage is required for Quarterly Maintenance
EKLAHARA(GCR)(NASIK)-BABLESHWAR 2	IntraState	15/06/2022	11:34	15/06/2022	19:16	PO	220Kv BBLR Nashik line ckt No.2, 230-Y ph Nsk side. LOC 187 Y ph nasik side as detected in the thermovision carried on dated 10.06.2022.
KHARGHAR - TOPWORTH	IntraState	15/06/2022	12:03	15/06/2022	18:06	PO	Replacement of faulty disc insulator found during PID testing at Loc No. 600 (Middle phase) & Loc no. 617 (Bottom phase)
MAHAD-KALAMBANI(TSS)	IntraState	15/06/2022	12:36	15/06/2022	19:40	PO	Flashover string replacement work at Loc.No.11 (R Ph) and Loc.No.231 (Y Ph) and other line maintenance work.
URAN - ONGC URAN	IntraState	15/06/2022	14:20	15/06/2022	16:40	T	Tripped from Uran end only.TC-1 secondary short, control cable faulty
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 dismantailing said 50MVA T/f 1 at 220 kV K'gaon S/s
220/132 KV 100 MVA ICT - 1 @KALWAN	IntraState	15/06/2022	12:00	15/06/2022	17:36	PO	For Relay Testing work & SCADA upgrading work
220/100 KV 200 MVA ICT 1 @ PADGHE	IntraState	15/06/2022	16:03	15/06/2022	19:22	T	contacts of REF relay found closed

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jun/2022

Statement-VII

Position as on 6.30 Hrs of 16/Jun/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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 - CHEMBUR	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shfiting these lines on new Multicircuit Towers between Darave to Vashi.
WAGHIVALI - MANKHURD	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shfiting these lines on new Multicircuit Towers between Darave to Vashi.

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