1.0 Background

Procurement of these components is necessary to ensure spare parts are available for Kennedy Space Center Propellants & Life Support Services (KPLSS) equipment to support Artemis systems, including commodity lines, rechargers, and panels. These systems provide high-pressure helium, low- and high-pressure nitrogen, breathing air, and oxygen. Spare parts are required to be purchased to have on-hand in the event of component failure, to minimize outages and provide continued support to Exploration Ground Systems (EGS). This purchase is for spare parts to support this effort. Each system has certain cleaning requirements, per KSC-C-123. Cleaning specifications are noted for components using this standard, which is similar to industry standard ASTM G93.

2.0 Requirements

The following are the components needed to ensure EGS has the minimum number of spares needed for Artemis III. Quotes must have estimated AROs and any additional lead time from the manufacturer. Specified cleaning is requested to be completed by the vendor per ASTM G93 specifications through a full disassembly and reassembly process, unless otherwise noted to be flow-through, prior to shipment to Kennedy Space Center. A certificate of conformance shall be included with the delivery of the component.

Brand Name – Smiths Tubular Systems

Item No.	National Stock Number	Part Number	Description	Quantity
1	472000PL20419	37000008-4560 (79K80463-9-4560)	FLEX HOSE, 456" LONG Cleaned to 300A, Flow-through	2

Brand Name – Air Lock

Item No.	National Stock Number	Part Number	Description	Quantity
2	482000PL26144	10038-01	Oxygen QUICK-DISCONNECT ASSEMBLY, SST, 1/4", Attaches to outlet of a filter on BAir cylinder, Cleaned to 100A	2

Brand Name – Tescom

Item No.	National Stock Number	Part Number	Description	Quantity
3	482000PL20074	26-1062-38-163-SGK	Rebuild kit for reg 26-1062-38-163 Associated part designed to pressures up to 6000 psig	2
4	482000K033112	389-1702	KIT:PARTS,O-RING,DIAPHRAGM & SEAT,PRESSURE REGULATING VALVE (for use on 79K80047, designed for inlet 3000 psig, outlet 0-500 psig)	1
5	482000PL20496	38-1300-30	KIT, PARTS, O-RING, BACK-UP RING & SEAT, ANGLE VALVE (use on 30-1300-708-244 & 30-1301-708-244, design pressure 6000 psig max)	1
6	482000PL20325	389-1570A	KIT, PARTS, O-RING, RING AND SEAT, ANGLE VALVE, OXYGEN SERVICE (use on KSC P/N: 79K80060 -5 and -6, Vendor P/N: 30-1301-306-233 and 30-1301-308-233, design pressure of 6000 psig max)	1
7	482000PL20269	JT389-9863	KIT, REPAIR (use on 44-313-7082, designed for inlet: 1500 psig, outlet: 0-300 psig)	1
8	482000K859643	389-2261	KIT:REPAIR,BACK-UP RING,O-RINGS,GASKET,VALVE SEAT,VALVE,SAFETY,GASEOUS NITROGEN,GASEOUS HELIUM,DIRECT REPLACEMENT PART,CONSISTS OF 1 EA. (use on KSC P/N: 79K80277 -1 and -4, Vendor P/N: 44-1323-3061-047 and 44-1323-3081-047, designed for max pressure inlet: 6000 psig, outlet: 0-1500 psig)	1

NASA / Kennedy Space Center

BOSS Warehouse - M6-0744

Kennedy Space Center, FL 32899

Procurement of EGS Spare Parts, non-CCF

ATTN: KPLSS Terrie Hydorn / NASA Steven Shelley