COORDINATION AND APPROVAL DOCUMENT

Contracting Activity: AFLCMC / EBHKB
Purchase Request Number/Local Identification Number: FD2020-14-50057 & Various
Program Name: United States Air Force (USAF) and/or National Aeronautics and Space Administration (NASA) U-2 aircraft, Initiator, Dual Gas; Initiator, Dual Mechanically; Initiator, Dual Gas Fired; Initiator, Aneroid Actuator
Estimated Program Cost:
Type Program: PEO – non-ACAT
Authority: 10 U.S.C. 2304(c) (1), as implemented by FAR 6.302-1, Only One Responsible Source
Type J&A: Individual

COORDINATION:

X _____

Program Manger, AFLCMC / EBHJ
Signed by: F

APPROVED:

X _____

Contracting Officer, AFLCMC / EBHK
Signed by

JUSTIFICATION FOR OTHER THAN FULL AND OPEN COMPETITION

I. CONTRACTING ACTIVITY:

United States Air Force
AFLCMC / EBHKB
6033 Elm Lane, Bldg. 1247
Hill AFB UT 84056-5805
Contracting Officer: Trevor Braswell
DSN: 777-0280
PR Number:

II. NATURE AND/OR DESCRIPTION OF THE ACTION BEING PROCESSED:

A. Upon approval to use other than full and open competitive procedures, the Air Force will issue a new contract to procure the items listed in Section III below for use in the egress system in USAF and/or NASA U-2 Aircraft to Universal Propulsion Company Inc (UPCO) 3530 Branscombe Rd Fairfield, CA 94533-0659, CAGE Code 17610

B. Contract Type & Structure: A new supply contract to procure a maximum quantity of 177 units for below with an anticipated Firm-Fixed-Pricing arrangement will be issued. The total estimated value is [illegible] estimated award date [illegible]

C. Type J&A: Individual

III. DESCRIPTION OF THE SUPPLIES/SERVICES REQUIRED TO MEET THE AGENCY'S NEEDS:

A. Under the contemplated contract(s), UPCO will provide items listed below considered as "remanufactured" defined by FAR 22.1003-6(a)(1) -- Repair Distinguished from Remanufacturing of Equipment. These items will be torn down, reworked, reassembled to furnish a totally rebuilt item, items will follow similar manufacturing processes, items are restored to original life expectancy, work performed in facility owned/operated by the contractor; Initiator, Dual Gas; Initiator, Dual Mechanically; Initiator, Dual Gas Fired; Initiator, Aneroid Actuator are part of the U-2 egress systems. This Federal Stock Class includes safety-in-flight explosive items consisting of a quantity of propellant (either encased in a cartridge or in molded form) and a means of activation. The items are designed to be inserted into or attached to one or more devices to provide the energy required to operate devices requiring a time delay, or not requiring a time delay, in their operating sequence. The below listed components perform aircraft specific functions that allow the aircrew emergency egress should an ejection event occur.

Item	NSN	Name	AF	NASA	Est.	Est. Total Price

#			Qty	Qty	Price/Unit	
0001	1377015193361ES	Initiator, Dual Gas				
0002	1377015193362ES	Initiator, Dual Mechanically				
0003	1377015193369ES	Initiator, Dual Gas Fired				
0004	1377015193370ES	Initiator, Aneroid Actuator				
0005	Data	LATR, ATP, FAR/CAR	1		NSP	NSP
0006	Data	ADC	1		NSP	NSP
					Total	

C. The period of performance will be from contract award date [illegible] through estimated delivery of parts in December 2016. Approval request is for more than one fiscal year. There are no feasible actions that can be taken to promote competition during the performance of this acquisition as described in Section V of this document.

D. Total Estimated Price: [illegible] his estimate is based on history from contract FA8213-11-C-0102. This action is using appropriated 3400 funds and NASA MIPR NND10AM44I.

IV. STATUTORY AUTHORITY PERMITTING OTHER THAN FULL AND OPEN COMPETITION:

10 USC 2304 (c) (1) as implemented by FAR 6.302-1, Only One Responsible Source.

V. DEMONSTRATION THAT THE CONTRACTOR'S UNIQUE QUALIFICATIONS OR NATURE OF THE ACQUISITION REQUIRES THE USE OF AUTHORITY CITED ABOVE (APPLICABILITY OF AUTHORITY):

A. The USAF and/or NASA minimum needs can only be provided by UPCO because they are the only approved source that has demonstrated the unique design capability, manufacturing knowledge, or technical data required to manufacture these items. These parts are critical safety of flight components and require engineering source approval by the design control activity in order to maintain the integrity of the part and escape system. This acquisition requires engineering source approval by the design control activity in order to maintain the integrity of the part. Therefore, this acquisition will be for continued production of highly specialized equipment.

B. Top level drawings were provided for cataloging purposes only; cataloging is for assigning a National Stock Number (NSN). The United States Government (USG) has limited data rights. The last attempt to obtain the data from UPCO was via email on 28 Aug 2013 by the program manager. UPCO informed the USAF it is not willing to sell the Data rights, Government Purpose Rights or Form, Fit, Function data to the USG.

C. The Cartridge Actuated Device/Propellant Actuated Device Joint Program Office (CAD/PAD JPO) believes that award that award to any other source would result in substantial duplication of cost to the Government that is not expected to be recovered through competition and unacceptable delays in fulfilling the Air Force's requirement.

1. The government estimates that any reverse engineering efforts along with system level testing would cost the government . d would take approximately four years to complete. The USAF has limited service returns assets to provide interested potential second source suppliers for reverse engineering activities.

2. Based on a CAD/PAD JPO twenty five year history of qualification programs, a typical qualification process can take three to four years to complete. Reverse engineering of similar components used in the ACES II & Northrop ejection seat took 9 months to determine overall dimensions, explosive material, and entire sub-component assemblies. In addition to ensure proper configuration management of the new part, the establishment of engineering drawings needed to produce a reproducible part took an additional 9 months. It would take 18 months to reverse engineer and minimum of 36 months to qualify a new supplier. In addition, during initial production, all vendors must submit an inert fit check unit which much be installed on actual platform to ensure their preliminary design does not have any interference or configuration problems in the overall system interface. This process normally results in a 15-20 percent redesign effort that results in a fit check unit that will be acceptable. Delay in awarding this contract could put the USAF and/or NASA in a non-support resulting in the use of items in Section III outside the service life which may cause catastrophic results to the aircrew. .

D. Accordingly, UPCO is the only firm capable of providing the items described in Section III above without the USAF and/or NASA experiencing substantial duplication of cost that could not be expected to be recovered through competition and unacceptable delays in fulfilling its requirements.

VI. DESCRIPTION OR EFFORTS MADE TO ENSURE THAT OFFERS ARE SOLICITED FROM AS MANY POTENTIAL SOURCES AS DEEMED PRACTICABLE:

A. Sources Sought Synopsis: A Sources Sought Synopsis [illegible] is posted to FEDBizOps (FBO) [illegible] requesting information to identify potential sources possessing the engineering and manufacturing knowledge for items identified in Section III above used on USAF and/or NASA U-2 aircraft. No responses were received

B. This requirement will be synopsized in the FBO as a Notice of Contract Action IAW FAR 5.201. All sources that request a solicitation will be provided one. If other interested sources express interest as a result of this synopsis or other action, they will be listed in the official contract file.

C. Other actions: None

D. Qualifying Country Sources: None

VII. DETERMINATION BY THE CONTRACTING OFFICER THAT THE ANTICIPATED COST TO THE GOVERNMENT WILL BE FAIR AND REASONABLE:

A. The following steps will be taken to ensure that the anticipated cost of this acquisition will be fair and reasonable. The Contracting Officer will comply with the procedures and criteria contained in Federal Acquisition Regulation (FAR) under Part – 30 Cost Accounting Standards, Part 31 – Contract Cost Principles and Procedures, Subparts 15.4 – Contract Pricing; to include technical evaluations and audits, as appropriate. Additional steps to ensure price reasonableness will be under the guidance of the Contract Pricing Reference Guides, jointly developed by the Federal Acquisition Institute and the Air Force Institute of Technology. The Contracting Office will obtain other than certified cost and pricing data IAW FAR Subpart 15.403 as appropriate. The Final Step is to include the Price Negotiation Memorandum (PNM). Detailed documentation and justification of price reasonableness will be disclosed in the official PNM, to be prepared upon completion of negotiations.

VIII. DESCRIPTION OF MARKET RESEARCH CONDUCTED AND THE RESULTS, OR A STATEMENT OF THE REASONS MARKET RESEARCH WAS NOT CONDUCTED:

A. As described in Section VI above, market research, in accordance with FAR Part 10, was conducted by synopsis of the proposed acquisition, advising industry of the pending acquisition and soliciting inquiries from interested parties. Additional market research conducted IAW FAR Part 10 included a July 2013 query from the AFLCMC/EBHJ vendor base, industry summits and workshops. This item is not available commercially nor is any modified commercial item available that will meet the government's requirement. However this requirement is a non-developmental item (NDI) and will satisfy the government need at this time.

B. The current U-2 Integrated Product Teams revealed that UPCO is the only vendor that currently has all of the required data and claims rights to the data needed to produce the items identified in Section III.

IX. ANY OTHER FACTS SUPPORTING THE USE OF OTHER THAN FULL AND OPEN COMPETITION:

None.

X. LIST OF SOURCES, IF ANY, THAT EXPRESSED INTEREST IN THE ACQUISITION:

See Section VI above.

XI. A STATEMENT OF THE ACTIONS, IF ANY, THE AGENCY MAY TAKE TO REMOVE OR OVERCOME ANY BARRIERS TO COMPETITION BEFORE MAKING SUBSEQUENT ACQUISITIONS FOR THE SUPPLIES OR SERVICES REQUIRED:

None.

XII. CONTRACTING OFFICER'S CERTIFICATION:

The Contracting Officer's signature on the Coordination and Approval Document (CAD) evidences that he has determined this document to be both accurate and complete to the best of his knowledge and belief (FAR6.303-2(b)(12)).

XIII. TECHNICAL/REQUIREMENTS PERSONNEL'S CERTIFICATION:

As evidenced by their signature on this CAD, the technical and/or requirements personnel have certified that any supporting data contained herein, which is their responsibility is both accurate and complete (FAR 6.303-2(c)).