

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
			J	1	14
2. AMENDMENT/MODIFICATION NO. 0002	3. EFFECTIVE DATE 15-Jun-2022	4. REQUISITION/PURCHASE REQ. NO. W25G1Q130700DF		5. PROJECT NO.(If applicable)	
6. ISSUED BY LETTERKENNY ARMY DEPOT LETTERKENNY CONTRACTING OFFICE - ACC-RSA-LEAD 1 OVERCASH AVENUE, ATTN: CCAM-MLK, BLDG 2S CHAMBERSBURG PA 17201-4150	CODE W911N2	7. ADMINISTERED BY (If other than item 6) MARY SHIFFLETT 717-267-5375 LETTERKENNY CONTRACTING OFFICE - ACC 1 OVERCASH AVENUE CCAM-ALK BLDG 2S CHAMBERSBURG PA 17201		CODE	W911N2
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)			X	9A. AMENDMENT OF SOLICITATION NO. W911N222R0019	
			X	9B. DATED (SEE ITEM 11) 25-Apr-2022	
				10A. MOD. OF CONTRACT/ORDER NO.	
				10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)					
<p>The purpose of this amendment is to:</p> <p>1) Make changes to the Purchase Description (PD). See paragraphs 2.4, 3.1, 3.9, 4.6.1, 6.2.1, and 6.2.2;</p> <p>2) Schedule a site visit;</p> <p>3) Extend the closing date.</p>					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
			TEL:	EMAIL:	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)		16-Jun-2022	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 1449 - CONTINUATION SHEET

SOLICITATION/CONTRACT FORM

The required response date/time has changed from 01-Jun-2022 02:30 PM to 09-Jul-2022 02:30 PM.

The following have been modified:

PURCHASE DESCRIPTION

LETTERKENNY ARMY DEPOT
PURCHASE DESCRIPTION
CNC ENGINE BLOCK MACHINING CENTER
GENERATOR ENGINE REMANUFACTURING

1.0 General Information:

1.1 Scope: Request the purchase of one (1) Computer Numerically Controlled (CNC) Engine Block Machining Center. The test system will machine with the ability to perform multiple machining operations such as many milling operations, line boring, cylinder boring, counter-boring, thrust facing, drilling, tapping, auxiliary component machining, and probing. This specification establishes the minimum requirements for the purchase of contractor installed (CNC) Engine Block Machining Center at Letterkenny Army Depot (LEAD). The contractor shall provide all professional architectural, engineering and construction services for the preparation of all necessary drawings, specifications, calculations, cost estimates and related design, permits, fabrication, construction, installation and testing services for the completion of this project. The (CNC) Engine Block Machining Center shall be installed turnkey in accordance with Original Equipment Manufacturer specification and standards. Specifications are based upon commercially available products and shall meet or exceed the minimum requirements specified in section 4.0 Specifications.

1.2 Place and Performance of Installation: All work shall be performed in building 350 Annex between the hours of 6:00 AM and 3:30 PM, Monday thru Thursday, exclusive of Federal Holidays and special depot closures (typically the Monday before or Thursday after Federal Holidays that fall on a Saturday, Sunday, Tuesday or Thursday). Other hours, weekend, and holiday work will be considered separately as requested by the contractor with adequate advanced notice and approved by the Contracting Officer.

1.3 Security Requirements: Contractor and all associated sub-contractor's employees shall comply with applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representative). The contractor shall also provide all information required for background checks to meet installation access requirements to be accomplished by installation Provost Marshal Office, Director of Risk Management or Security Office. Contractor workforce shall comply with all personal identity verification requirements as directed by DOD, HQDA and/or local policy. Should the Force Protection Condition (FPCON) change, the Government may require changes in contractor security matters or processes. The contractor and all associated subcontractor employees shall also comply with adjudication standards and processes using the National Crime Information Center Interstate Identification Index (NCIC-III) and Terrorist Screening Database (TSDB) (Army Directive 2014-05/AR 190-13), applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representative), or, at OCONUS locations, in accordance with status of forces agreements and other theater regulations.

1.3.1 Security, Safety and Fire Protection: All work shall comply with LEAD Regulation 385-1 and Pamphlet 385-4. The equipment and the installation shall also meet all the safety criteria set forth in OSHA 1926.501 and ANSI/ASSE Z359.

- 1.3.2 Media Devices: All pictures shall be taken by LEAD representative and approved before release.
- 1.3.3 AT Level I Awareness Training: All contractor employees, to included subcontractor employees, requiring access to Army Installations, facilities, and controlled access areas shall complete AT Level 1 awareness training within 30 calendar days after contract start date and within 30 calendar days of new employees commencing performance. The contractor shall submit certificates of completion for each affected contractor employee and subcontractor employee, to the COR or to the contracting officer, if a COR is not assigned, within 15 calendar days after completion of training. AT level 1 awareness training is available on the Letterkenny Army Depot homepage – www.lead.army.mil.
- 1.3.4 Physical Security: The contractor shall safeguard all Government property provided for contractor use. At the close of each work period, Government facilities, equipment and materials shall be secured.
- 1.3.5 iWATCH Training: The contractor and all associated sub-contractors with an area of performance within an Army-controlled installation, facilities or area shall brief all employees on the local iWATCH program. This local developed training will be used to inform employees of the types of behavior to watch for and instruct employees to report suspicious activity to the COR or contracting officer. This training shall be completed within 30 calendar days of contract award and within 30 calendar days of new employees commencing performance. The contractor shall report completion for each affected contractor employee and subcontractor employee, to the COR or to the contracting officer, if a COR is not assigned, within 15 calendar days after completion of training. iWATCH training is available on the Letterkenny Army Depot homepage – www.lead.army.mil.
- 1.3.6 OPSEC Training: Per AR 530-1, Operations Security, new contractor employees and associated sub-contractor employees shall complete Level I OPSEC training within 30 calendar days of their reporting for duty and annually thereafter. The contractor shall submit certificates of completion for each affected contractor employee and subcontractor employee, to the COR or to the contracting officer, if a COR is not assigned, within 15 calendar days after completion of training. Level 1 OPSEC training is available on the Letterkenny Army Depot homepage – www.lead.army.mil.
- 2.0 Government Responsibilities:
- 2.1 Government Furnished Property and Materials: The Government will provide the facilities, equipment, materials and/or services listed below:
- 2.1.1 Facilities: The Government will provide clear access to all working areas necessary for the contractor to perform the installation outlined, during the specified hours listed in section 1.2.
- 2.1.2 Equipment: none
- 2.1.3 Materials: Stock material for testing.
- 2.1.4 Services: none
- 2.2 Site Preparation: Letterkenny Army Depot will provide a clear area for installation of the (CNC) Engine Block Machining Center.
- 2.3 Utilities: LEAD will provide adequate utilities for the installation and operation of the machines within 25' of the equipment disconnect. LEAD will also provide temporary utilities for the operation of equipment required for the installation of the industrial equipment.
- 2.4 Delivery And Storage: The Government will not be responsible for loading, unloading, or providing any extended storage, prior to installation, of materials or equipment as part of this contract.

- 3.0 Contractor Responsibilities: The contractor shall be responsible to inform all of his workers, direct or contracted, and ensure they follow the information within this specification. The contractor shall also have a representative onsite to manage the project and be the point of contact (POC) to communicate and coordinate with Letterkenny's POC.
- 3.1 Post Processor: The machine will be used as a stand-alone machine. A post processor is not required.
- 3.2 Project Schedule: A project schedule shall be submitted by the contractor, within 30 days after receipt of the purchase order, to include a timeline for material delivery, installation, testing and training.
- 3.3 Utility Requirements: The contractor shall provide certified utility requirements within 15 days after receipt of the purchase order. They shall include type, number of connections, and requirements.
- 3.4 Field Verification: It shall be the responsibility of the contractor to verify, in the field, all measurements, locations of structures and utilities, and any other physical conditions which would affect the progress, or quantity of work. Any errors by the contractor, due to omission of field verification, shall not be the basis for any increase in contract price. Where existing utilities or other obstructions interfere with the progress of the contract, the contractor shall provide all materials and labor to relocate all obstructions as required and approved by the Contracting Officer.
- 3.5 Foundation: The (CNC) Engine Block Machining Center must operate properly and accurately on a concrete slab floor having thickness of at least 6 inches. If the 6-inch slab isn't sufficient for proper operation, the contractor is responsible to design and install an adequate foundation.
- 3.6 Utility Installation: Utilities are to be run overhead. The contractor shall provide all materials, equipment, tools, and labor necessary for the installation of all utilities.
- 3.7 Dust Control: The contractor shall control the amount of dust generated during the installation of the system foundation and components, and shall prevent the spread of dust to occupied portions of the building. Use of water will not be permitted when it will result in, or create, hazardous or objectionable conditions such as ice, flooding or pollution.
- 3.8 Protection of Existing Structures and Equipment: The contractor shall take all necessary precautions to insure against damage to existing structures and equipment to remain in place.
- 3.9 Installation of New Equipment: The contractor shall be responsible for supplying all material, parts, equipment, tools, and labor required to install the equipment provided under this contract. This shall include off-loading equipment, moving it to the installation site, positioning and installing floor mountings. The contractor shall make all connections to existing utilities necessary for proper operation. Removed components shall not be taken from the Depot property. Removed components shall be placed in a location designated by the TPOC.
- 3.10 Wiring: All electrical work and materials shall be in compliance with the National Electrical Code and National Electrical Manufacturers Association. All electrical installations shall be inspected and accepted by a certified electrician. All work shall be subject to inspection by LEAD electricians.
- 3.11 Pipe: Schedule 40 (minimum) black steel pipe, valves, and all materials necessary, shall be supplied and installed to provide the equipment with required adequate air and water supplies.
- 3.12 Permits: The contractor shall be responsible for determining and obtaining all necessary permits, fees, licensing, insurance, and bonding to perform and complete this installation.
- 4.0 Requirements:

- 4.1 Machine Options: The (CNC) Engine Block Machining Center shall have the necessary minimum operations: mill the oil pan deck, head deck, cylinder boring, and drill and tap holes necessary for the remanufacturing process of a large number of different sized from 1 to 6 cylinders with the following capacity requirements (All dimensions are in inches):
- Engine block length range of 9 – 52”,
 - Engine block width range of 17” – 31”,
 - Engine block height range of 12” – 36”,
 - Cylinder bores diameter range from 3” – 5”
- 4.1.1 Machining Operations: The (CNC) Engine Block Machining Center shall be able to perform the following operations based on built in programming in the controller:
- Block and head mill resurfacing
 - Boring and sleeving
 - Cylinder boring
 - Line boring
 - Lifter boring
 - Thrust cutting
 - Circular interpolation
 - Counterboring
 - Drill and tapping
- 4.1.2 Documentation: Two sets (each) of paper and one (each) CD of operator instruction manuals, maintenance service manuals, and parts listing manuals shall be provided for the furnished systems. These manuals shall be written in the English language.
- 4.1.3 Preservation, Packaging and Delivery: The contractor shall utilize standard commercial methods for preservation and packaging appropriate for each unit and acceptable to commercial carriers. As a minimum, all areas susceptible to damage from exposure to the elements shall be preserved and/or packed to prevent damage. The contractor shall be responsible for ensuring the equipment is delivered to LEAD in good condition.
- 4.1.4 Warranty: The contractor shall furnish with the equipment a standard commercial warranty or full one year warranty (parts, labor, and shipping, at minimum), whichever is greater. The contractor shall provide commercial warranties for any subcontracted components that will be underwritten. The contractor shall supply all corresponding warranty contact names and phone numbers before the end of the project. The warranty shall be effective beginning immediately after final acceptance of the equipment and not before that time.
- 4.1.5 Inspection and Acceptance: The equipment shall be examined for design, construction, materials, components, and workmanship to determine compliance with the contract and this specification. Any deviation from these requirements shall be cause for rejection.
- 4.2 Machine Control System:
- 4.2.1 Control Features: The (CNC) Engine Block Machining Center shall have a FANUC type or Windows based control, or equivalent. All machine functions shall be controlled and monitored through the operator’s control panel/interface; shall be capable of being set through machine code input into the control, Human Manual Interface (HMI). Machines that are network capable must have an Ethernet connection and part programs can be downloaded via the network. The Control shall include at least a 15 inch color monitor screen and full control of the machine through the monitor including emergency shutdown buttons.
- 4.2.2 Control Software Compatibility: If the (CNC) Engine Block Machining Center is network capable, the control software must be Win10 compliant and shall be compatible with Mastercam 2017 and current version software.

- 4.3 Machine Features: The machine shall include, but not limited to, work light, coolant system, and color Human Manual Input (HMI) display.
- 4.4 General Requirements:
- 4.4.1 Painting: All surfaces to be painted shall be cleaned of all foreign matter. The equipment shall be painted IAW standard commercial practice that shall not be less than one coat of primer and one coat of finish color.
- 4.4.2 Lubrication: Means shall be provided to ensure adequate lubrication to all moving parts. All oil holes, grease fittings and filler caps shall be easily accessible.
- 4.4.3 Power Requirements: All power requirements shall be 480V 3ph. If any requirement is not, the contractor shall supply all required transformers.
- 4.4.4 Automatic Lubrication: The system shall include a centralized lubrication system to automatically provide lubricant to critical components.
- 4.4.5 Energy Efficiency: All equipment that directly consumes energy in normal operation shall be designed and constructed for the highest degree of energy efficiency as governed by the latest developments available within industry.
- 4.5 Environmental Requirements:
- 4.5.1 Equipment Hazards: All hazards inside the machinery shall be guarded against unauthorized access. Clearly visible signs and symbols shall warn personnel in the area, and interlocks, safety mats and redundant deactivation systems shall guard against accidental access to the tooling and moving parts. Guards shall be easily removable to facilitate inspection, maintenance, or repair.
- 4.5.2 Compliance With Environmental Laws And Regulations: Contractor shall comply with all applicable federal, state, and local environmental laws, statutes, regulations, executive orders, permits, Army regulations (with supplements), as well as Major Subordinate Command (MSC) and installation regulations and policies. Contractor shall immediately report any conflicts between applicable federal, state, local environmental laws, statutes, executive orders, and provisions of Army Regulation 200-1, and any specifications within this contract to the Contracting Officer Representative (COR), as well as to the Chief, Environmental Management Division (EMD).
- 4.5.3 Compliance With License And Certification Requirements: Compliance with License and Certification Requirements and local permits and approvals: Contractor shall obtain all licenses and certifications required by Federal, State, and Local environmental laws and regulations necessary and ensure such licenses and certifications remain current throughout the duration of the contracted work to adhere to the specifications of this contract The Contractor shall submit all plans, notifications, reports, submittal documents, and fees required by Federal, State, and Local environmental laws and regulations to the appropriate Federal, State, and Local authority or agency as necessary to adhere to the specifications of this contract. All required licenses and certifications required by Federal, State, and Local environmental laws or regulations shall be considered a contract deliverable upon award. It is the responsibility of the Contractor to identify and obtain all of the installations' required permits and approvals prior to commencement of any of the work specified under this contract and to meet all stipulated conditions and requirements at all times while performing any work. Contractor shall abide by all local and installation requirements and provide a site specific environmental plan as part of the deliverables. Appropriate and detailed notification shall be provided by the Contractor to the Chief of the EMD prior to excavating or conducting any kind of hot work anywhere on the installation where the work is to be performed.
- 4.5.4 Inspections Of Work Sites: Contractor shall submit to potential Federal, State, Army and installation work site environmental regulatory inspections and/or investigations into noncompliance, and fully cooperate with such inspections/investigations by providing the appropriate records and documentation. Environmental

regulatory agencies are authorized by law to inspect any work site for environmental compliance with regulatory requirements. The inspection will only require the work site Environmental Compliance Designee, or supervisor/manager to answer questions and/or escort the inspector to specific work site areas with the potential to affect environmental quality. If an inspection is conducted, it will not stop or disrupt ongoing contract activities, except, if the Contractor is requested by the regulatory inspector, the Contractor shall correct any regulatory problems during the inspection to the extent possible. Any regulatory inspections and their outcomes shall be communicated to the COR and to the Chief of the EMD or their appointed backups. Typical environmental work site inspections are conducted in less than 30 minutes with an approximate frequency of one inspection every two months. More frequent inspections may be required at the installation level and some may also require a close-out inspection prior to the Contractor vacating the work site. Inspections will focus on hazardous material management, solid and hazardous waste accumulation and disposal, Pollution Prevention (P2), air quality, and waste water management, to include storm water requirements. Contractor shall obtain the Environmental Compliance Checklist from the EMD at the start of the contract performance period.

- 4.5.5 Generation Of Solid Waste: Contractor shall remove from the installation and dispose of all solid waste that is generated through their contracted work, and which cannot be recycled, to an approved and permitted off-post disposal facility.
- 4.5.5.1 Submit in writing the quantities of waste removed and quantities recycled to the Chief of the EMD or designee on a monthly basis and at the expiration of the contract. The submittal shall include the date of disposal/recycling, the disposal/recycling facility, the types of material disposed/recycled and each of the quantities of materials disposed of and recycled by weight.
- 4.5.5.2 The Contractor shall establish a program to promote cost-effective waste reduction in all operations and facilities covered by the contract. This includes collection, separation, and processing products or other materials recovered from solid waste streams for use in the form of raw materials.
- 4.5.5.3 The Contractor shall make maximum effort to reduce and prevent waste and comply with Executive Order 13693 and the installation's waste management requirements. Upon completion of the contracted work, the Contractor shall conduct final clean-up of the work site, containerize any debris, and haul it away for appropriate disposal at no additional cost to the government. The COR or an EMD Representative shall be contacted for approval of the final clean-up work.
- 4.5.6 Generation Of Hazardous Waste: Contractor shall abide by the guidelines stipulated in LEAD EMSP 21-17, Waste Management and shall assign all hazardous waste management responsibilities to the appointed ECD. Contractor shall contact the Chief of the EMD to obtain technical assistance from the installation's Hazardous Waste Program Manager who will assist the ECD with achieving and maintaining compliance with hazardous waste storage and disposal requirements. The EMD will provide hazardous waste drums for the Contractor to containerize hazardous waste generated through the contracted work. Where liquid hazardous waste is to be stored, the Contractor shall provide appropriate secondary containment and ensure containers are properly bonded and grounded where the chemical waste requires it. In addition, the Contractor shall be responsible for maintaining an appropriate spill response and control kit at all times. All spills are reportable and shall be coordinated with the COR and the Chief of the EMD. Contractor shall accumulate hazardous waste prior to disposal shipment in a satellite accumulation point at or near the point of generation, or in a less-than-90-day site, in accordance with Federal, State, Army, and installation regulations or policies. The Government is responsible for removal of all hazardous waste. Contractor shall contact the Hazardous Waste Program Manager for assistance. The Contractor shall provide a 24-hour notification to the Hazardous Waste Program Manager or designee that hazardous waste containers are ready for pick up and turn in by the EMD. The EMD will remove and dispose of manifested hazardous waste generated by contract activities from the installation to an approved, off-post, permitted hazardous waste disposal facility. The Contractor shall coordinate appropriately with the COR and the Hazardous Waste Program Manager the management of all hazardous waste to include profiling and final disposal. The Contractor shall perform a daily walk-through to ensure all hazardous material and all hazardous waste is

properly secured and segregated by compatibility. Contractor shall reference section 5 of this checklist to ensure compliance with Federal, State and local laws and regulations.

- 4.5.7 Use Of Hazardous Materials: Contractor shall contact the Chief of the EMD to obtain technical assistance from the installation's Safety Division Chief who will assist the Contractor with achieving and maintaining compliance with hazardous materials management guidelines, to include requesting and obtaining an Hazardous Materials Approval Group (HMAG), labeling, storage, secondary containment, issue, use, and disposal requirements. Contractor shall submit to the COR or Chief of the EMD a hazardous material inventory for any materials to be used in the performance of the contracted work. The hazardous material inventory will be submitted 30 days prior to commencement of work for contracts that exceed 180 consecutive days and 15 days prior to commencement of work for contracts requiring under 180 days of consecutive work. The inventory list shall contain the hazardous material type and maximum quantities of materials anticipated to be used and stored on-site. The hazardous material shall be properly identified and labeled to include any applicable identification number, such as National Stock Number or Special Item Number and include any applicable hazardous materials management guidelines found on EEJ-010, Hazardous Materials Management; LEADR 385-1, Chapter 10 and all applicable hazardous communication (hazcom) requirements or as required. Contractor shall ensure all hazardous materials are properly secured and segregated by compatibility and kept under his or her control at all times. No expired hazardous materials shall be used or stored at the installation. Where applicable, and prior to bringing or removing hazardous materials on, at, or from the facilities where the contracted work is to be performed, the Contractor shall submit copies, preferably in electronic form, of Global Harmonization System (GHS) compliant Safety Data Sheets (SDSs) for all hazardous materials used and stored on-site during performance of the contract. Contractor shall not supply or deliver any hazardous materials or chemicals to an AMC installation that are listed on EPA toxic chemical list without prior written approval from Chief of the EMD. During the performance of the contracted work, the Contractor shall ensure that hazardous material containers remain under the control of the user at all times and that containers are properly closed when the material is not in use. The Contractor shall not bring into a government installation any non-approved hazardous materials for use in the performance of their work. Where liquid materials are to be stored, the Contractor shall provide appropriate secondary containment. Upon completion of the contracted work, the Contractor shall conduct final clean-up of the work site, containerize any hazardous material/waste debris, and coordinate with the EMD for pick up and turn in for disposal. Any unused hazardous material and any non-ozone depleting substances or refrigerants brought in by the Contractor shall be recovered and removed from the installation by the Contractor prior to vacating the work site.
- 4.5.8 Prevention Of Spills: The Contractor shall follow LEAD's Integrated Contingency Plan (ICP) which includes the Spill Prevention, Control, and Counter Measure Plan (SPCCP) Plan and reference the LEAD SPCCP and ICP if transporting, processing, storing, or in any way managing hazardous waste, hazardous material, petroleum-oils-lubricants, or other restricted items. The Contractor shall ensure secondary containment is in place any time liquid materials are stored on-site and shall provide his or her own spill response supplies and have them readily available at each work site. In case of a spill, the person in control of the spill site, or their designated representative, shall take appropriate action to protect workers and bystanders; contain the spill (if it can be done safely); secure the spill site; restrict ignition sources; and immediately contact the installation Fire and Emergency Services (Fire Department) by dialing 911, the COR and the Chief of the EMD. Contractors storing 1,320 gallons or more of any oil-based product in an aboveground storage tank at a construction site shall follow LEAD's ICP. The Contractor shall immediately respond to actual emergencies and accidents, prevent or mitigate associated adverse environmental impacts, and contact the installation's Fire and Emergencies Services.
- 4.5.9 Corrective Action For Noncompliance: Contractor shall take immediate corrective action when given a verbal or written notice of environmental noncompliance or nonconformance by the COR or the Chief of the EMD. Failure or refusal by the Contractor to comply promptly may be grounds for the Contracting Officer to invoke the appropriate contractual remedies. This may cause all or part of the work to be stopped immediately until satisfactory corrective action has been taken by the Contractor.

4.5.10 Safety Requirements:

Safety Guarding: The (CNC) Engine Block Machining Center design must meet OSHA standards for safety and guarding of the machine. This is addressed in OSHA subpart O, paragraphs 1910.211-1910.219. The machine must meet applicable requirements.

4.6 Installation Requirements:

4.6.1 Design and Installation: The contractor shall provide all parts, labor, and services for the design, fabrication and installation of the engine system and accessory equipment. The contractor shall provide competent English speaking personnel to place the system in operation and to conduct the acceptance tests and training of depot personnel. The contractor, through his service personnel, shall be fully responsible for the rigging, offloading, installation, activation, and testing of the system and the service personnel shall remain until system activation and testing has successfully been completed. Under no circumstances should the contractor plan on gratuitous Depot assistance for diagnosis, troubleshooting, or repair of the system during installation, activation, and testing.

4.6.2 Badges: Identification badges will be issued for admittance of personnel before performing work or service on this contract. The identification badge is the property of the US Government and must be returned upon termination or demand. The contractor/vendor agrees that he will ensure all badges issued to employees are returned to the Badge and Identification Section, Security Division, Letterkenny Army Depot promptly on termination of need or on expiration, which occurs first. The badge room is located in Bldg 2, phone # 717-267-5301. Hours of operation are 7:30 AM to 3:30 PM, Monday thru Friday, exclusive of Federal Holidays.

4.6.3 Fire Extinguishers: The LEAD R 385-1 designates the type and number of fire extinguishers required to perform the contracted work. The LEAD Fire Department will not provide any extinguisher support. The contractor can gain the above information through a pre-construction conference, visiting the fire department, or phone 717-267-8108.

4.6.4 Use of Portable Gas or Arc Equipment: The contractor shall obtain a permit, from the LEAD Fire Department, to use portable gas or arc equipment for cutting, welding or open flame operations. The Fire Department will require one day advance notice to permit necessary inspection before actually starting work, and notification when work is finished to allow for re-inspection. The Fire Department can be notified by calling ext. 8108. The contractor shall take necessary precautions to prevent fires IAW NFPA Standard No. 51B and LEAD R 420-13.

5.0 Applicable Documents:

OSHA Safety and Health Standards
29 CFR 1910 Occupational Safety and Health Standards
(copies may be obtained at <http://www.osha.gov>)

Letterkenny Army Depot (LEAD) Publications:

LEAD Regulation 385-1: LEAD Safety and Occupational Health Program

LEAD Pamphlet 385-1 – Safety Requirements for Security, Safety, and Fire Prevention for Contractors
Performing Work on LEAD

(Copies may be obtained at LEAD Directorate of Contracting, Bldg 2)

National Fire Protection Association

NFPA Standard 70 – National Electric Code

NFPA Standard 79 – Electrical Standard for Industrial Machinery

(copies may be obtained from <http://www.nfpa.org/>)

6.0 Quality Assurance:

6.1 Quality Conformance Inspection: The (CNC) Engine Block Machining Center and all accessory components shall be subject to a quality conformance inspection, performed by a designated Depot representative, to determine compliance with this specification.

6.2 Tests:

6.2.1 Accuracy: If an accuracy test was performed by the OEM before the machine was shipped, the contractor shall repeat the accuracy test at LEAD after complete installation. The results of the test performed at LEAD shall be compared to those from the test at the factory. If no accuracy test was performed at the factory, the contractor shall be responsible for developing test procedures to demonstrate the accuracy and operation of the machine to be in compliance with the requirements of this specification. All test procedures shall be submitted to and approved by Depot Technical Point of Contact (TPOC) prior to the start of testing. To support the testing procedures, LEAD will provide a supply of material for use during the performance tests and training. A appropriate engine block will be used for testing. Other readily available materials may be used if a block isn't. The contractor shall prove out all problems.

6.2.2 Post Processing Verification: N/A

6.3 Technical Instruction: The contractor shall be responsible for providing technical instruction of four (4) Depot personnel in the operation of the equipment and software and four (4) Depot personnel in the maintenance of the equipment supplied under this contract. All instructions, oral and written, shall be in the English language. The project LEAD TPOC will coordinate with individuals to be trained upon successful completion of all installation and test specifications.

7.0 Information Technology (IT) Industrial System Requirements:

7.1 Operating System (OS) Specifications:

7.1.1 If applicable, the system's OS must be Microsoft Windows 10, Windows Server 2012R2, or Red Hat Linux v6.X. Any OS supplied with the system must contain all service packs, updated patches, and hot fixes. All patching and fixes will be current as of a predefined date agreed upon by the vendor and the government.

7.1.2 Defense Information System Agency (DISA) Security Technical Implementation Guides (STIGS) are configuration standards for the Department of Defense and contain technical guidance to lock down information systems and software applications that might otherwise be vulnerable to malicious attacks. The contractor shall be responsible for ensuring all appropriate STIGs are implemented and their software runs acceptably while secure.

7.1.3 The Army Golden Master (AGM) is a collection of security settings for Microsoft Operating systems which must be applied to all Army computer systems. LEAD will supply the AGM to the contractor who shall ensure their software functions as intended, when installed on top of the AGM.

7.2 Programmable Logic Controllers (PLC): If a PLC is to be installed within the system, it shall be manufactured by a government approved source and shall provide an Ethernet adapter to allow for connection to the Industrial Network if required. If an Ethernet connection is used to interconnect the PLC to peripheral equipment, an additional Ethernet port shall be provided.

7.3 System Software Specifications:

7.3.1 Software Installations: If installing application code at LEAD, the contractor shall install the code within a standard container (E.g., Program Files) and located in a volume separate from the standard System Files. Interactive applications are required to run as services and daemons and any time WEB services are used, file types (E.g., XML and HTML) must be separated.

7.3.2 Software Licensing: When installed, the software licensing for computers, control units and other IT systems will be surrendered to the Information Technology Configuration Manager and will become the property of the Government upon acceptance of the system.

- 7.3.3 If software has been customized for LEAD's use or is any software other than Commercial Off The Shelf (COTS); the contractor shall provide copies of all source code, firmware and software used in the system, as well as one set of backup and configuration software for PLC's, control and communication computers, and data acquisition. All programs shall be tested and fully operational before acceptance. All acceptance testing will adhere to common User Acceptance Testing (UAT) standards as defined by the government.
- 7.3.4 If any special programming software or programming software interface devices such as hardware "keys", dongles or "PIC" modules, are required to access software, these programs and devices shall be provided to LEAD along with the necessary registration information. If custom application software was written and provided, a copy of the required compiler and compiler license shall also be provided. At acceptance, all items shall become property of the government. Software and hardware purchased for this project shall be registered to Commander, Letterkenny Army Depot, Chambersburg, PA 17201.
- 7.4 System Environment Specifications:
- 7.4.1 All supplied software must be capable of operating in a multi-user environment and data which contains permissions information shall be hidden from view and inaccessible to those with less than administrator level access. Shared accounts shall not be used, and users shall only be authorized the minimum security rights to operate the application software. Users will not have access to system or software configuration items (e.g., Control Panel, software and hardware installation). Under no circumstances will the intended end user log in using the Administrator or Root account for routine operation of the equipment. The use of these accounts will be restricted to only administrative activities which will be carried out by LEAD Information Technology personnel. All software products shall employ a minimum of three permission based levels of access.
- 7.4.1.1 Administrator - Full control at root level, restricted to LEAD IT personnel and when required, the Contractor.
- 7.4.1.2 Maintenance - Mid-level control required to perform maintenance and alter control parameters as needed.
- 7.4.1.3 Operator - Minimum control necessary to perform the routine operation of software. The Operator shall not be able to alter the programming of software, make changes to executable files, or modify control parameters.
- 7.4.2 Application Interoperability: If an application will interfere with the operation of the industrial system, E.g., (McAfee Anti-Virus), the Contractor shall provide a written statement to the LEAD IT Directorate explaining the technical restrictions placed upon them.
- 7.4.3 Auditing: If applicable, the contractor shall enable audit files and data logs for access by LEAD Cybersecurity personnel to audit access and actions on the equipment.
- 7.4.4 User Acceptance Testing (UAT): LEAD Cyber Security Personnel will have the ability to conduct validation testing with approved security tools prior to equipment being introduced to the shop floor. This testing will also satisfy any UAT requirements. A UAT Plan will be furnished prior to testing and all equipment documentation will be made available for review during the test. If discrepancies are discovered the contractor shall remediate identified issues prior to government acceptance.
- 7.5 Documentation Requirements:
- 7.5.1 A complete set of instruction manuals containing all of the information necessary to operate, maintain, and reinstall all software and hardware contained within the system shall be provided by the Contractor. These manuals shall include step-by-step instructions which facilitate the rebuilding of the system in the event of a fatal system crash.

- 7.5.2 If networked, the Contractor shall provide the system's network design drawings to the Information Technology Directorate. These drawings should include complete directional data flow diagrams that include all ports and protocols in use.
- 7.5.3 The Contractor shall provide to Industrial Automation at least two electronic copies of all control unit programs. These copies should include description files of the ladder logic and any cabling required to connect to the control systems. No control units will be password protected and no other form of lockout measure shall be implemented by anyone other than LEAD IT employees. The Contractor shall also provide electrical wiring diagrams for all installed control systems to this LEAD Industrial Automation group.
- 7.5.4 Certificate of Networthiness: Certificate of Networthiness (CoN) certification ensures Automated Information Systems (AIS) utilizing the Army Network are developed in compliance with the Clinger Cohen Act and are secure, supportable, sustainable, and compatible with the Army Enterprise Infrastructure (AEI) (as defined in AR 25-1). All new AIS capabilities and all capability modifications and upgrades must be assessed to validate their Networthiness (network security, network impact, compatibility with the infrastructure, infrastructure requirements, spectrum support, security policy compliance, Joint Technical Architecture –Army (JTA-A) standards compliance, communications and information manpower, training, logistics support, schedule, and funding). If software is installed within the system, the Contractor shall work with LEAD Directorate of Information Management (DOIM) personnel to check for CoN availability and when not available, ensure a CoN is requested and all documentation is submitted.
- 7.6 Proposal Deviations:
- 7.6.1 Proposals or specifications that deviate from those described herein shall be coordinated for specific approval or rejection by the LEAD Information Technology representatives prior to shipment, installation, or acceptance of the equipment.
- 8.0 Final Acceptance: Once all conditions of this contract are met, final acceptance will be after 100 hours of continuous operation without a breakdown or failure, or 14 days, whichever comes first. If the machine has a failure or breakdown and it is determined that is the fault of the machine hardware or software, the operating time and 14 days timeframe start over each time this happens. After the 100 hour operating time or 14 days have been met, final payment of this contract will be made.

SOLICITATION NOTES

1. System for Award Management (SAM): In accordance with FAR 4.1102 Policy, Offerors shall be registered in the SAM database in order to be eligible for contract award. No award will be made to an Offeror not registered. Registration can be accomplished at <https://sam.gov/content/entity-registration>. Registration in this database shall remain active. There has been a recent SAM requirement for submission of notarized letters for all new vendor registrants, and for renewals of existing registrations. Please check your SAM registration and if the registration is due for renewal in the next few months, it is important to start that process immediately. For additional information on notarized letters, visit https://www.fsd.gov/gsafsd_sp?id=kb_article_view&sysparm_article=KB0016652&sys_kb_id=8cfe46491b1cb8909ac5ddb6bc4bcbbb&spa=1.
2. Annual Representations and Certifications: In accordance with FAR 4.1201 Policy, Offerors shall complete electronic annual representations and certifications within SAM as part of required registration. Registration in this database shall remain active and can be accessed at <https://sam.gov/content/entity-registration>.
3. Questions: Questions regarding this solicitation shall be submitted to the Contracting Officer, in writing, at least **10** calendar days prior to the closing date. Questions submitted after this time will be answered at the discretion of the Contracting Officer. The Contracting Officer for this action is Randy Allison, randy.s.allison.civ@army.mil. The Contract Specialist for this action is Mary Shifflett, mary.e.shifflett2.civ@army.mil.

4. Award without Discussions: The Government intends to award without discussions, offerors should submit their best prices in their initial offer. If FAR Provision 52.212-2 Evaluation-Commercial Products and Commercial Services, is included, Offerors must submit all information requested therein in order for the Government to determine technical acceptability.
5. Amendments: The Offeror shall submit to the Contracting Officer signed copies of all amendments issued to this solicitation. Failure to comply may cause your proposal to be rejected.
6. Payment: Payment for this action will be made by Electronic Funds Transfer (EFT) through the Defense Finance and Accounting Services (DFAS) utilizing Wide Area Work Flow (WAWF). See DFARS 252.232-7006 Wide Area WorkFlow Payment Instructions for more information.
7. Period for Acceptance of Offers: The Offeror agrees to hold the prices in its offer firm for 60 calendar days from the date specified for receipt of offers.
8. Type of Contract: The type of contract resulting from this solicitation is specified in FAR Provision 52.216-1, Type of Contract for a Firm Fixed Price Contract.
9. Proposals: Proposals shall be signed by an authorized individual in accordance with FAR 4.102 Contractor's signature. Failure to comply may cause your proposal to be rejected. Offerors should mark each page of their proposal as "Proprietary Information", if they want it treated as Proprietary Information under the Procurement Integrity Act.
10. FOB Destination: Unless otherwise stated in the solicitation, Offerors shall provide FOB Destination prices.
11. Site Visit: Site visit attendance is urged but is not mandatory; however, failure to attend a site visit shall not be a reason for price increases to the contract after contract award. Submit the names of all attendees to Contract Specialist Mary Shifflett at mary.e.shifflett2.civ@army.mil. Submit this information no later than **Friday, June 24, 2022 at 2:30PM**. Offerors who do not submit this information will not be given access to the site. Details on the site visit will be provided to those who submit attendee information. *****NOTE: FOR THIS SITE VISIT, PLEASE WEAR STEEL TOED SHOES, HEARING PROTECTIONS AND SAFETY GLASSES.***
12. Insurance (Fixed Price): Pursuant to the requirements of FAR clause 52.228-5 Insurance-Work on a Government Installation, the contractor shall obtain and maintain at least the following kinds of insurance and minimum liability coverage during any period of contract performance:
- Workmen's Compensation and occupational disease coverage as required by law except that, if this contract is to be performed in a state which does not require or permit private insurance, then compliance with the statutory or administrative requirements in any such state will be satisfactory. The required Workmen's Compensation Insurance shall extend to cover employers' liability for accidental bodily injury or death and for occupational disease with a minimum liability limit of \$100,000.
 - Comprehensive General Liability Insurance in the minimum limit of \$500,000 per occurrence for bodily injury liability.
 - Comprehensive Automotive Liability Insurance with minimum limits of \$200,000 per person and \$500,000 per occurrence for bodily injury, and a minimum limit of \$200,000 per occurrence for property damage.
13. AMC-Level Protest Program: Prior to submitting an agency protest, it is preferable that you first attempt to resolve your concerns with the responsible contracting officer. However, you may also file a protest to the Headquarters (HQ), Army Materiel Command (AMC). The HQ AMC-Level Protest Program is intended to encourage interested parties to seek resolution of their concerns within AMC as an Alternative Dispute Resolution forum, rather than filing a protest with the General Accountability Office (GAO), or other external forum. Contract award or performance is suspended during the protest to the same extent, and within the same time periods, as if filed at the GAO. The AMC protest decision goal is to resolve protests within 35 calendar days from filing. To be timely, protests must be filed within the periods specified in FAR 33.103 Protests to the agency. If you want to file

a protest under the HQ AMC-Level Protest Program, the protest must request resolution under that program and be sent to the address below.

Headquarters U.S. Army Materiel Command
Office of Command Counsel-Deputy Command Counsel
4400 Martin Road
Rm: A6SE040.001
Redstone Arsenal, AL 35898-5000
Fax: (256) 450-8840 or email usarmy.redstone.usamc.mbx.protests@mail.mil

The AMC-level protest procedures are found at:
<https://www.amc.army.mil/Connect/Legal-Resources/>

If internet access is not available, contact the contracting officer or HQ, AMC to obtain the AMC-Level Protest Procedures.

(End of Summary of Changes)