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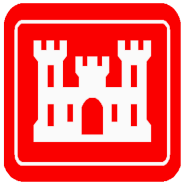
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**US Army Corps
of Engineers®**

**Contract
Opportunity**

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Services for modeling the effects of nuclear weapons on agricultural systems

Note: There have been new actions to this contract opportunity. To view the most recent action, please click [here](#).

INACTIVE

Contract Opportunity

Notice ID
W912HZ24T5579

Related Notice

Department/Ind. Agency
DEPT OF DEFENSE
Sub-tier

DEPT OF THE ARMY
Major Command
USACE
Sub Command
OTHER DIVISION
Office
W2R2 USA ENGR R AND D CTR

General Information

Contract Opportunity Type: Special Notice (Original)

Original Published Date: Sep 10, 2024 12:30 pm CDT

Original Response Date: Sep 12, 2024 12:00 pm CDT

Inactive Policy: 15 days after response date

Original Inactive Date: Sep 27, 2024

Initiative:

- None

Classification

Original Set Aside: Total Small Business Set-Aside (FAR 19.5)

Product Service Code: DB01 - IT AND TELECOM - HIGH PERFORMANCE
COMPUTING (HPC) SUPPORT SERVICES (LABOR)

NAICS Code:

- 541511 - Custom Computer Programming Services

Place of Performance:

Boulder , CO 80302

USA

Description

The US Army Corps of Engineers, Engineer Research and Development Center (ERDC) intends to issue an award on a sole source basis (IAW FAR 13.106-1(b)(1)) with Terra Analytics, Inc., 966 10th Street, Boulder, Colorado 80302-7474, for the research and development of active research programs that focus on modeling impacts on the environment and the impacts of nuclear weapons on farm

systems that optimizes AgriShock, a code suite for modeling the effects of nuclear weapons on agricultural systems.

The objective of this project is to build upon previous research efforts to develop and optimize AgriShock, a code suite for modeling the effects of nuclear weapons on agricultural systems. The minimum needs of this contract are that the contractor provide all personnel, equipment, facilities, supervision, and other items necessary to conduct studies that demonstrate modeling of nuclear warfare on a global scale that would lead to destruction of the agriculture systems such as farms. The contractor must be able to execute the following: 1) utilize AgriShock, code suite, to increase the geographic coverage to include former Eastern Block countries and implement software code on DoD TS/SCI level ERDC supercomputing resources; 2) update their AgriShock software code to regions beyond eastern Europe and western Russia, with regions chosen to support the ERDC mission to support the Defense Threat Reduction Agency (DTRA) goals of modeling effects of nuclear events; 3) utilize the AgriShock software to incorporate aerial mapping; 4) extend the AgriShock software code by developing a beta radioisotope uptake model that reflects the manner in which a non-destructive nuclear event; and 5) ensure that the updated Agrishock software can be implemented on existing and/or new secure Linux-based ERDC HPC computing environments.

The intended procurement will be classified under North American Industry Classification System (NAICS) 541511 – Custom Computer Programming Services with a Small Business Size Standard of \$34 million. This notice of intent is not a request for competitive proposals and no solicitation document exists for this requirement. However, parties interested in responding to this notice shall submit technical data, including price, sufficient to determine capability in providing the same or similar product. All capability statements received by the closing date of the publication of this synopsis will be considered by the Government. A determination by the Government not to compete based on responses to this notice is solely within the discretion of the Government. Information received will normally be considered solely for the purpose of determining whether to conduct a competitive procurement.

Capability statements shall be submitted only by e-mail as a Microsoft Office Word, Microsoft Office Excel, or Adobe PDF attachment to Shinita.M.Jordan@usace.army.mil and Sonia.J.Boyd@usace.army.mil. Statements are due by 12:00pm Central Time, Thursday, 12 September 2024. No phone calls will be accepted.

Attachments/Links

No attachments or links have been added to this opportunity.

Contact Information

Contracting Office Address

ERDC CONTRACTING OFC 3909 HALLS FERRY ROAD
VICKSBURG , MS 39180-6199
USA

Primary Point of Contact

Shinita Jordan

✉ Shinita.M.Jordan@usace.army.mil

Secondary Point of Contact

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History

- Sep 16, 2024 03:26 pm CDT
[Special Notice \(Updated\)](#)
- ➡ Sep 10, 2024 12:30 pm CDT
Special Notice (Original)



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