

Theoretical Support for Advanced Energy Conversion Project

National Aeronautics and Space Administration - Glenn Research Center - Office of Procurement

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Title

Theoretical Support for Advanced Energy Conversion Project (search?q=Theoretical Support for Advanced Energy Conversion Project&agency=&type=&setaside=&place=&posted=&naics=)

Posted Date

2017-08-09

Response Date

N/A

Agency

National Aeronautics and Space Administration (search?q=&agency=National Aeronautics and Space Administration&type=&setaside=&place=&posted=&naics=)

Office

Glenn Research Center

Location

Office of Procurement

Notice Type

Award (search?q=&agency=&type=Award&setaside=&place=&posted=&naics=)

Solicitation Number

NNC17ZMR016L-80GRC017R0014 (search?q=NNC17ZMR016L-80GRC017R0014&agency=&type=&setaside=&place=&posted=&naics=)

Set Aside

N/A

Original Set Aside

N/A

Contract Award Date

2017-07-14

Contract Award Number

80GRC017C0021

Contract Award Dollars

\$485,750

Added Text

Aug 09, 2017 5:24 pm The Advanced Energy Conversion (AEC) project at NASA Glenn Research Center investigates advanced materials concepts for heat production in various materials .

The AEC project is seeking theoretical and computational support for the project.

This procurement aims at conducting performance-based tasks to assist NASA. Period of Performance: Base Period: July 10, 2017 - July 9, 2018 Option Period 1: July 10, 2018 - July 9, 2019 Option Period 2: July 10, 2019 - July 9, 2020 JOFOC: This document is a justification for other than full and open competition prepared by the NASA Glenn Research Center.

The nature and/or description of the action being approved: This justification provides the rationale for contracting by other than full and open competition for the acquisition of services to conduct theoretical development of advanced theoretical physics models to assist the Advanced Energy Conversion (AEC) project.

These services are research and development (R&D) in nature, and are sought from a vendor who provided similar work for the Government under a prior procurement.

That work resulted in a highly sensitive and proprietary intellectual property that has been a subject of multiple patent applications filed and jointly owned by the Government.

Description of the supplies or services required, include an estimated value: I recommend that GRC negotiate only with PineSci Consulting for development of highly advanced theoretical models .

The services required are used by the AEC researchers in design of advanced energy conversion processes and devices, and assist in collaborations with other Government agencies, including the Department of Defense.

The services sought are for a base period of one year, with two option years.

The total value of this procurement is \$480,000.00.

Statutory authority permitting other than full and open competition: 10 U.S.C.

230(c), only one responsible source and no other services will satisfy Agency requirements.

FAR 6.302-1, Only One Responsible Source and No Other Supplies or Services Will Satisfy Agency Requirements.

A demonstration that the proposed contractor's unique qualifications or the nature of the acquisition requires use of the authority cited: The contractor has previously provided similar services to the AEC project under a separate procurement to end on 07/09/2017.

The contractor is a theoretical and computational physicist with over 40 years of experience in theoretical work of direct relevance to the AEC project .

The contractor has successfully developed breakthrough theoretical understanding of key processes involved which are presently guiding the development of experimental work in the AEC project.

These models and understanding have been incorporated into multiple patent applications jointly submitted and owned by the Government.

The contractor is the lead inventor of these patent applications and is leader in translating these inventions into a viable technology in support of the AEC project.

Description of the efforts made to ensure that offers are solicited from as many potential sources as practicable: This procurement was posted for 15 days on FedBizOps.

Title of Procurement: Theoretical Support for Advanced Energy Conversion Project Description of the market survey conducted, and the results, or a statement of the reasons a market survey was not conducted: The most appropriate and informational market survey was provided by the results obtained from a posting of the procurement in the public domain (see FAR Part 10).

The synopsis received no responses.

Other facts supporting the use of other than full and open competition: The initial feasibility period of the AEC project has resulted in a new fundamental understanding made by the Contractor of processes critical to NASA's mission and national security and welfare.

The project is now entering a critical accelerated validation and development period, and the continuing support by the Contractor on all theoretical matters related to successfully guiding experiments and device construction is paramount for successful accomplishment of the program objectives as stated by NASA HQ and other Government agencies.

Sources, if any, that expressed an interest in writing in the acquisition: No sources expressed an interest in the acquisition.

The actions, if any, the agency may take to **Remove** or overcome any barriers to competition before any subsequent acquisition for the supplies or services required: None.

Due to the proprietary nature of this research, this contract and future contracts relating to it, will be synopsized and posted as a sole source until capability is shown by an outside source.

General Information Posted Date: August 9, 2017 Response Date : - Archive Policy: Automatic, 15 days after award date Archive Date: September 11, 2017 Set Aside: N/A Original Set Aside: N/A Classification Code: A -- Research & Development NAICS Code: 541 -- Professional, Scientific, and Technical Services/541511 -- Custom Computer Programming Services Contracting Office Address: NASA/Glenn Research Center 21000 Brookpark Road Cleveland, Ohio 44135 Primary Point of Contact: Audrey R.

Gonzalez, Contracting Officer audrey.r.gonzalez@nasa.gov Phone: 2164332131 Agency: National Aeronautics and Space Administration Office: Glenn Research Center Location: Office of Procurement Original Posting's URL: [Click Here](#)

Archive Policy

Automatic, 15 days after award date

Archive Date

2017-09-11

Classification Code

A -- Research & Development (search?q=&agency=&type=&setaside=&place=&posted=&naics=&classification=A -- Research & Development)

Naics Code

541 -- Professional, Scientific, and Technical Services/541511 -- Custom Computer Programming Services (search?q=&agency=&type=&setaside=&place=&posted=&naics=541 -- Professional, Scientific, and Technical Services/541511 -- Custom Computer Programming Services&classification=)

Contracting Office Address

NASA/Glenn Research Center 21000 Brookpark Road Cleveland, Ohio 44135

Primary Poc

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Place Of Performance

Nebraska Western Iowa VA Health Care System-Omaha;4101 Woolworth Avenue;Omaha NE 68105 USA

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2017-08-09 17:00:08

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