

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN C. STENNIS SPACE CENTER
STENNIS SPACE CENTER, MS 39529-6000**

JUSTIFICATION FOR SOLICITING FROM A SINGLE SOURCE (FAR SUBPART 13.5)

1.0 AGENCY/CONTRACTING ACTIVITY

National Aeronautics and Space Administration, John C. Stennis Space Center, Office of Procurement, Stennis Space Center, MS 39529

2.0 DESCRIPTION OF THE ACTION BEING APPROVED

The action to be approved is the sole source procurement of Aerojet Rocketdyne technical expertise in the current configuration and operation of the common electrical systems at the John C. Stennis Space Center's B Test Complex. The estimated period of performance is six (6) months from contract award.

3.0 DESCRIPTION

This effort includes electrical engineering and technician support for the design and installation of the upgrade to the B Test Stand Common Control System (BCCS). This will include the removal of the current BCCS. As the tenant operator of the B1 test stand, Aerojet Rocketdyne utilizes the BCCS in support of test operations and has the operational knowledge of the current BCCS. Any design changes to the BCCS will impact test operations of both the B1 and the B2 tests stands. Connections for these two systems and others utilized by the B1 and B2 Test Stands are routed through and contained on the B Test Stand Level 7 North. Demolition activities in this area will impact the B1 and B2 Test Stands. The work to be performed under this requirement shall consist of technical support for the design, as built configuration, and test stand operational knowledge as defined in the Statement of Work. Additionally, to maintain the test schedules of both the B1 and B2 tests stands, the tasks described in the SOW must be completed within the planned outage for the High Pressure Industrial Water upgrades. The total estimated cost of this effort is \$ [REDACTED].

4.0 STATUTORY AUTHORITY

This recommendation is made pursuant to FAR 13.106-1(b)(2) for purchases exceeding the simplified acquisition threshold when only a single source is available and FAR Subpart 13.5 under the authority of the test program for commercial items at 41 U.S.C. 1901 or the authority of 41 U.S.C. 1903.

5.0 NATURE OF THE ACTION THAT REQUIRES USE OF THE AUTHORITY CITED

The electrical configuration of the B Test Stand has been modified over the years to support various test programs at both the B1 and B2 Test Stands. During much of this time, no centralized configuration management process was utilized to document all of the changes. As a result, the current set of drawings does not reflect the as built configuration. Software systems that are shared between the B1 and B2 Test stands have not been placed under NASA SSC configuration management process. The B2 Test Stand is being restored to meet the original configuration and to meet the test requirements for the Space Launch System Core Stage Green Run Tests. In order to meet test objectives, the BCCS must be upgraded in order to interface with customer hardware and to allow for personnel training to reduce risks during test operations.

6.0 SOLICITATION EFFORTS

A sole source synopsis was published for 14 days on the NASA Acquisition Internet Service (NAIS) and the Government wide point of entry (GPE) (FedBizOpps) expressing our intent to issue a contract for this requirement.

7.0 COST CERTIFICATION

An Independent Government Estimate (IGE) was developed and based, in part, on the anticipated hours for completion of the tasks outlined in the SOW.

8.0 MARKET SURVEY

No others firms responded to the sole source synopsis.

9.0 OTHER SUPPORTING FACTS

Aerojet Rocketdyne has been the sole operator of the B1 test stand since 1999 operating under a Space Act Agreement to test the RS68 engine in support of the Air Force Delta IV Program. No other vendor offers the expertise and knowledge associated with the current operation of the B Test Stand and the interfaces to the B1 and B2 electrical systems.

10.0 SOURCES EXPRESSING AN INTEREST IN THIS PROCUREMENT

Aerojet Rocketdyne has been the sole operator of the B1 test stand and contractor tenant on the B Test Stand during the past 16 years. No other sources have expressed an interest in performing this requirement.

11.0 AGENCY ACTIONS TO REMOVE BARRIERS

The Engineering and Test Directorate (E&TD) will work in conjunction with Aerojet Rocketdyne on the design and installation of the BCCS. SSC design and documentation processes will be utilized to for both the hardware and software designs and installation to maintain well documented designs and final configurations. Additionally, a method for managing configuration changes on the B1 and B2 Test Stands which may impact operations on the other test stand will be developed to ensure continued safe operation of the B1 and B2 Test Stands. Through a robust configuration management program, SSC E&TD will ensure the government maintains knowledge of the B1 and B2 Test Stands electrical system configuration and operation.

12.0 TECHNICAL REPRESENTATIVE CERTIFICATION

I do hereby certify that the support data under my cognizance that are included in this justification are accurate and complete to the best of my knowledge and belief. In addition, I certify that the anticipated price to the Government will be thoroughly evaluated to ensure that it is fair and reasonable prior to award.


Dawn Davis
Lead, Electrical Engineering (EA-31)
Design and Analysis Division
Engineering and Test Directorate (E&TD)
Stennis Space Center (SSC), MS 39529

02/05/2015
Date

13.0 APPROVAL

I certify that this justification for soliciting from a single source is accurate and complete to the best of my knowledge and belief. I further certify that the anticipated costs to the Government will be determined fair and reasonable prior to award.


Kanokwan Kooamphorn
Contracting Officer / DA10

02/05/2015
Date