



DEPARTMENT OF THE NAVY

NAVAL RESEARCH LABORATORY
4555 OVERLOOK AVE SW
WASHINGTON, DC 20375-5320

IN REPLY REFER TO:

JUSTIFICATION FOR OTHER THAN FULL AND OPEN COMPETITION

1. The Department of the Navy, contracting through the Naval Research Laboratory, proposes to enter into a contract on the basis of other than a full and open competition with Exploration Electronics Limited to provide the personnel and seismic source and acquisition system necessary for data collection efforts in the Republic of South Africa.

2. Nature and/or description of the action being approved.

The Contractor will supply a complete seismic source and acquisition system and technical personnel in support of NRL's diapycnal mixing project using seismic oceanography (ARC11) in the Agulhas Return Current off the Coast of the Republic South Africa from 20 JAN 2011 - 07 FEB 2011. This lease includes all equipment required to generate and record seismic signals in the frequency range of 20-250 Hz, and three technicians.

3. Description of the supplies or services required to meet the needs of Naval Research Laboratory including the estimated value.

The required system consists of a seismic source, hydrophone receiving array, and electronic computer recording system. The source consists of two 210 cubic inch generator injector air guns driven by compressed air from a deck-mounted compressor, also included in the contract. The compressor is powered by the ship's electrical system. The receiving array is a 96 channel, 1200m long seismic hydrophone streamer with streamer winch. The compact size of the compressor and streamer winch are required to ensure that there is enough space on the fantail of the ship for launching the dual air gun array. The guns, compressor, and hydrophone array and recording system are high resolution, high quality, and spatially compact. It will be available at the same time as the ship (the FRS Algoa) for this cruise, 20 JAN 2011 - 07 FEB 2011. The system can be mobilized in about 1 day allowing maximal time for scientific operations.

3.1. A statement of delivery requirements (*e.g.*, include a list of ships and/or shore activities and required delivery dates for each). If only labor hours or a final report are to be delivered, enter the performance period.

The required seismic source and acquisition system and technical personnel shall be available for mobilization in Port Elizabeth, Republic of South Africa not later than 20 JAN 2011. The period of performance for this award shall be from 20 JAN 2011 through 07 FEB 2011. The chief deliverable from this research effort shall be seismic data in electronic form.

3.2. The total estimated dollar value (including all options) for the acquisition(s) covered by the justification. **\$190,000.00**

4. Identification of the statutory authority permitting other than full and open competition.

10 U.S.C. 2304(c)(1) and FAR 6.302-1 - Only one responsible source

5. Demonstration that proposed contractor's unique qualifications or nature of the acquisition requires use of the authority cited.

There have only been three dedicated seismic oceanography cruises in the world to date, and this company has provided the equipment for two of them. This lease includes all equipment required to generate and record seismic signals in the frequency range of 20-250 Hz, and three technicians. We know of no other seismic system that can be obtained for this cruise that (a) possesses a 96-channel, 24-bit digital streamer and 225 scfm compressor capable of running two 210- cubic inch air guns that will fit on the deck of the Research Vessel (FRS Algoa) available to us; and (b) is compatible with the time frame, transportation and technical support options available.

6. A description of efforts made to ensure offers are solicited from as many potential sources as is practicable including whether a synopsis notice was or will be publicized.

The requirement was publicized in FedBizOps on 21 OCT 2010 as a notice of intent to contract with Exploration Electronics, Ltd on the basis of other than full and open competition. Alternate sources were offered the opportunity to present documentation and justification supporting their capabilities to provide the required system and perform the necessary support.

7. Determination by the Contracting Officer that the anticipated cost to the Government will be fair and reasonable.

The Contracting Officer will perform a price analysis in accordance with FAR 15.404-1(b) (and a cost analysis, if required) to determine whether the price is fair and reasonable.

7. Determination by the Contracting Officer that the anticipated cost to the Government will be fair and reasonable.

The Contracting Officer will perform a price analysis in accordance with FAR 15.404-1(b) (and a cost analysis, if required) to determine whether the price is fair and reasonable.

8. Description of the market research conducted and results or statement of the reasons a market research was not conducted.

NRL technical personnel continually survey the market in order to stay informed on the current capabilities of various vendors in their disciplines. The COR, who has over 25 years of experience in seismology, has been collaborating with other seismologists at fielding rented reflection seismology systems. There have only been three dedicated seismic oceanography cruises in the world to date. Two of these cruises employed equipment and resources from Exploration Electronics, Inc, and one employed resources from an institute associated with a Japanese university. An attempt to contact the Japanese institute concerning this requirement resulted in no response. Several emails and phone calls made by the COR to U. S. companies who provide similar services also resulted in the receipt of no responses or quotes.

9. Any other facts supporting the use of other than full and open competition:

N/A

10. A listing of the sources, if any, that expressed, in writing an interest in the acquisition.

As noted in Paragraph 6, above, this requirement was publicized in FedBizOps as a notice of intent to contract with Exploration Electronics, Ltd. on the basis of other than full and open competition. No statements of interest or documentation were received from alternate sources.

11. A statement of 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.

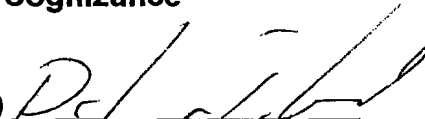
The Government anticipates that sole source lease of the required seismic source and acquisition system and associated technical personnel is a one-time action. The Government will make every effort to compete any comparable action should similar needs arise in the future.

12. Certification and Approval signatures:

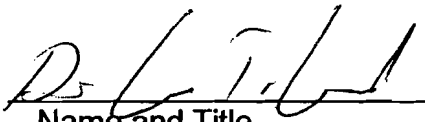
**TECHNICAL AND REQUIREMENTS CERTIFICATION
REQUIRED BY FAR 6.303-2(b)**

I certify that the facts and representations under my cognizance which are included in this justification and which form a basis for this justification are complete and accurate.


Technical Cognizance

(Signature)  7432 1 22 Oct 10
Name and Title Code Telephone Date
Section head

Requirements Cognizance

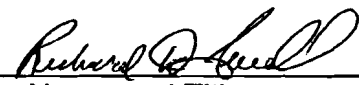
(Signature)  7430 1 10 22 Oct 10
Name and Title Code Telephone Date
acting branch head

Review by Legal Counsel

(Signature)  3 Nov 2010
Armand R.R. Beede Associate Counsel Code 1008 Telephone Date
Name and Title

CONTRACTING OFFICER CERTIFICATION REQUIRED BY FAR 6.303-2(a)(12)

I certify that this justification is accurate and complete to the best of my knowledge and belief.

(Signature)  3235 08 NOV 2010
Name and Title Code Telephone Date
RICHARD D. SEWELL
CONTRACTING OFFICER