

ADVANCE CONTRACT AWARD NOTICE (ACAN)

1. Advance Contract Award Notice (ACAN)

An ACAN is a public notice indicating to the supplier community that a department or agency intends to award a contract for goods, services or construction to a pre-identified supplier, thereby allowing other suppliers to signal their interest in bidding, by submitting a statement of capabilities. If no supplier submits a statement of capabilities that meets the requirements set out in the ACAN, on or before the closing date stated in the ACAN, the contracting officer may then proceed with the award to the pre-identified supplier.

2. Definition of the requirement

The Department of Natural Resources Canada (NRCan) has a requirement for the analysis of lab-generated petroleum-based samples by 12T Fourier Transform Ion Cyclotron Resonance Mass Spectrometry (FT-ICR MS). Natural Resources Canada has petroleum-based (oil spill) samples and needs to determine which individual molecules are in the samples. The sample analysis must include a final mass error of less than 500 ppb and a resolving power of greater than 500,000 ($M/\Delta M$) full-width-at-half-mass.

Data is required for comparative purposes within an existing NRCan data set that is relevant to the oil resources in the Alberta region.

3. Criteria for assessment of the Statement of Capabilities (Minimum Essential Requirements)

Any interested supplier must demonstrate by way of a statement of capabilities that it meets the following requirements:

- The supplier must have experience in analyzing petroleum-based samples using high-resolution 12T Fourier Transform Ion Cyclotron Resonance Mass Spectrometry because it is the only instrument with sufficient resolving power (greater than 500,000 ($M/\Delta M$) full-width-at-half-mass) and level of molecular detail (final mass error less than 500 ppb).
- The supplier must have a resource that possess a doctoral degree in chemistry, geochemistry or geoscience, with a minimum of 10 years of post-graduate experience in a field related to chemistry, geochemistry or geoscience.
- The supplier must be able to analyze samples under the following modes:
 - Negative electrospray ionization;
 - Positive electrospray ionization;
 - Atmospheric pressure photoionization.
- The supplier must be able to process and interpret resulting data using visualization and modeling software tools to express information on a molecular level.

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- The supplier must be able to deliver a summary report that includes major compounds classes, key species, and visualization plots of the data of the petroleum based samples.

4. Applicability of the trade agreement(s) to the procurement

This procurement is subject to the following trade agreement(s):

Not applicable

5. Set-aside under the Procurement Strategy for Aboriginal Business

Not applicable

6. Justification for the Pre-Identified Supplier

The supplier mentioned in section 13 below is the only known supplier that meets the mandatory criteria set out in section 3 above.

Should Canada receive a statement of capabilities from a supplier that contains sufficient information to indicate that it meets the requirements set forth in this ACAN, a competitive process will be triggered with a technical and financial evaluation methodology of the bids proposed by the potential bidders.

7. Government Contracts Regulations Exception(s):

The following exception(s) to the *Government Contracts Regulations* is invoked for this procurement under subsection 6 (d): subsection 6(d) - "only one person is capable of performing the work".

The identified supplier, University of Calgary, is the only one able to meet all of the criteria identified in paragraph 3 above.

8. Exclusions/or Limited Tendering Reasons

Not applicable

9. Ownership of Intellectual Property

- Ownership of any Foreground Intellectual Property arising out of the proposed contract will vest in the Contractor.

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10. Period of the proposed contract or delivery date

The proposed contract is for a period of 2 years, from date of contract to March 31, 2023.

11. Cost estimate of the proposed contract

The estimated value of the contract is \$62,500.00 (GST extra).

12. Name and address of the pre-identified supplier

**Petroleum Reservoir Group (PRG)
Department of Geoscience
University of Calgary
2500 University Drive, NW
Calgary, Alberta, T2N 1N4 Canada**

13. Suppliers' right to submit a statement of capabilities

Suppliers who consider themselves fully qualified and available to provide the goods, services or construction services described in the ACAN may submit a statement of capabilities in writing to the contact person identified in this notice on or before the closing date of this notice. The statement of capabilities must clearly demonstrate how the supplier meets the advertised requirements.

14. Closing date for a submission of a statement of capabilities

The closing date and time for accepting statements of capabilities is August 25, 2021 at 2:00 p.m. EST.

15. Inquiries and statements of capabilities are to be directed to:

**Moira Farkas
Procurement Officer
5320 122 Street NW, Edmonton, AB T6H 3S5
Telephone: 403-462-1162
E-mail: moira.farkas@canada.ca**