



ADVANCE CONTRACT AWARD NOTICE (ACAN)

1. Title

Analysis of lake and peat cores

2. Definition

An Advance Contract Award Notice (ACAN) allows departments and agencies to post a notice, for no less than fifteen (15) calendar days, indicating to the supplier community that it intends to award a good, service or construction contract to a pre-identified contractor. If no other supplier submits, on or before the closing date, a Statement of Capabilities that meets the requirements set out in the ACAN, the competitive requirements of the government's contracting policy have been met. Following notification to suppliers not successful in demonstrating that their Statement of Capabilities meets the requirements set out in the ACAN, the contract may then be awarded using the Treasury Board's electronic bidding authorities.

If other potential suppliers submit Statement of Capabilities during the fifteen calendar day posting period, and meet the requirements set out in the ACAN, the department or agency must proceed to a full tendering process on either the government's electronic tendering service or through traditional means, in order to award the contract.

3. Background

Lake sediments and peats are natural archives of past environmental conditions. Concentrations of various trace elements preserved in lake sediments and peats are used to characterize the flux of elements of concern to terrestrial and aquatic systems. By analyzing sediments and peats of various ages, we can compare the flux of elements of concern over time against on-going and potential anthropogenic inputs.

This work is in response to the need for detailed work to better understand the flux of elements of concern into northern ecosystems. Sediments have been collected using a freeze corer from lakes in the Northwest Territories and are housed at Carleton University in cold storage. A sub-sampling microtome device, designed at Carleton University, will be used to sample high-resolution (mm-scale) slices of one or more freeze cores to enable corresponding high-resolution analysis of the flux of elements of concern by scientists at the Geological Survey of Canada. Peat cores were also collected from the Northwest Territories. These are currently in cold storage at Carleton University and must also be sub-sampled for analyses to evaluate the transport and fate of elements of concern in northern ecosystems.

4. Objectives

To sub-sample and analyze lake sediments and peats.

5. Project Requirements

5.1 Deliverables

- Deliverable (Deadline: TBD): Core description and Catalogue of sub-samples (electronic and in a spreadsheet format)
- Deliverable (Deadline: TBD): Delivery of selected sub-sampled sediments to Geological Survey of Canada, Calgary
- Deliverable (Deadline: March 31, 2016): Grain size analyses of sediments
- Deliverable (Deadline: March 31, 2016): Results of radioisotope analyses



6. Trade Agreements

Not applicable.

7. Title to Intellectual property

To be determined.

8. Contract Period

The contract period will be from the date of Contract Award to March 31, 2016 inclusive.

9. Estimated Cost

The estimated maximum value of the contract is \$49,350.00, including all applicable taxes (i.e. 5% GST).

10. Exception to the Government Contracts Regulations and applicable trade agreements

Sole Source Justification - Exception of the Government Contract Regulations (GCR):

(d) Only one person or firm is capable of performing the contract;

The sledge microtome device that was custom-designed to slice frozen lake sediment cores at mm to sub-mm resolution was designed and built at Carleton University and is the only device capable of sub-sampling frozen sediment cores at 1-mm resolution that is necessary for program delivery/outputs from the Environmental Geoscience Program. The laboratory at Carleton University is the only laboratory in the world with the technological capability necessary to sub-sample the lake sediment cores at mm-resolution. Further, they have developed the expertise necessary to conduct this work (it is difficult and laborious to do this detailed sub-sampling on frozen material that can only be out of the freezer for a short period of time).

11. Name and Address of the Proposed Contractor

Carleton University
Department of Earth Sciences
1125 Colonel By Drive
Ottawa, Ontario
K1S 5B6

12. Inquiries on Submission of Statement of Capabilities

Suppliers who consider themselves fully qualified and available to provide the services/goods described herein, may submit a Statement of Capabilities in writing, preferably by e-mail, to the contact person identified in this Notice on or before the closing date and time of this Notice. The Statement of Capabilities must clearly demonstrate how the supplier meets the advertised requirements.

13. Closing Date

Closing Date: January 11, 2016
Closing Time: 2:00 p.m. EST

14. Contract Authority

Purnima Kaul
Contracting Officer
Natural Resources Canada
580 Booth Street, 5th Floor



Ottawa, ON K1A 0E4
Telephone: 343-292-8358
Fax: 613-947-5477
E-mail: purnima.kaul@canada.ca