

## ADVANCE CONTRACT AWARD NOTICE (ACAN)

1. 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 need for monitored bedrock borehole calibration facilities in Canada is critical for long-term research into groundwater flow through fractured bedrock. The Department of Natural Resources Canada (NRCan) has a requirement to conduct a study of fractured, sedimentary (dolostone and sandstone) thematic bedrock aquifer types of Southern Ontario. The study is leveraging the capacity of existing borehole calibration facilities in Ottawa and Guelph, Ontario, with networks of closely-spaced boreholes to:

- develop a set of standards at the facilities to provide an enhanced understanding of physical bedrock properties from core and downhole tests;
- complete analyses on the performance and application of emerging slim-hole nuclear magnetic resonance (NMR) logging tools to measure matrix porosity and estimate permeability in the dolomite and sandstone bedrock at the Guelph and Ottawa facilities;
- integrate complementary datasets at various scales from the two sites (e.g. core CT scans, laboratory core analyses, downhole geophysical data and hydro-geophysical data) to develop a 3D understanding of groundwater movement at the facilities.

3. The work will involve several tasks pertaining to this research including:

- a summary report of porosity and permeability analyses related to Guelph calibration facility boreholes;
- a report on the analysis and effectiveness of NMR technology for continuous porosity/permeability characterization in the Guelph facility boreholes containing figures integrating CT scan imagery;
- a summary report of the sediment conditions in the buried bedrock valleys surrounding the test facility in Guelph; and
- a report summarizing the techniques, data sets, and findings of the hydrogeological characterizations at the Guelph and Ottawa facilities.
- The work under this contract will require the contractor to have access to proprietary datasets (cores, boreholes and borehole logs, datasets containing downhole geophysical logs and temporary borehole sensor deployments) belonging to the Morwick G360 Institute for Groundwater Research at the University of Guelph.

4. 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:

- Access to the borehole facility owned by the Morwick G360 Institute for Groundwater Research at the University of Guelph Boreholes;
- Access to proprietary datasets owned by the Morwick G360 Institute for Groundwater Research at the University of Guelph;
- A history of publishing results in peer-reviewed journals;
- Knowledge and understanding of the collection and analyses of NMR logs, high-resolution temperature vector logs, active line source (ALS) methods, packer test data, distributed temperature sensing methods, laboratory core analyses, and experience in the use of WellCAD software; and
- Ability to work with students in a hydrogeological research program in a Canadian University.

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

This procurement is not subject to any trade agreements.

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

This procurement will not be set-aside for an Aboriginal supplier in accordance with the government Procurement Strategy for Aboriginal Business (PSAB).

7. Comprehensive Land Claims Agreement(s)

This procurement is not subject to any Comprehensive Land Claim Agreement(s).

8. Justification for the Pre-Identified Supplier

The supplier mentioned in section 14 below is the only known supplier that meets the mandatory criteria set out in section 4 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.

9. Government Contracts Regulations Exception(s)

The following exception(s) to the *Government Contracts Regulations* is (are) invoked for this procurement under subsection 6(d) - only one person is capable of performing the work. The identified supplier, University of Guelph, Morwick G360 Groundwater Research Institute, is the only one able to meet all of the criteria identified in section 4 above.

10. Exclusions and/or Limited Tendering Reasons

This procurement is not subject to any trade agreements.

11. Ownership of Intellectual Property

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

12. Period of the proposed contract or delivery date

The proposed contract is for a period of 3 years, from date of contract award to March 31, 2024.

13. Cost estimate of the proposed contract

The estimated value of the contract, including option(s), is \$55000.00 (taxes not applicable).

14. Name and address of the pre-identified supplier

University of Guelph  
Morwick G360 Groundwater Research Institute  
50 Stone Road East  
Guelph, ON  
Canada  
N1G 2W1

15. 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.

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

The closing date and time for accepting statements of capabilities is January 9, 2022 at 2:00pm Mountain Standard Time (MST).

17. Inquiries and submission of statements of capabilities

Inquiries and statements of capabilities are to be directed to:  
Moira Farkas, Procurement Officer  
Natural Resources Canada, 5320 122 Street NW, Edmonton, AB T6H 3S5  
Telephone: 403-462-1162  
E-mail: [moira.farkas@nrcan-rncan.gc.ca](mailto:moira.farkas@nrcan-rncan.gc.ca)