

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 Requirements

The department of Natural Resources Canada (NRCan) has a requirement to perform a research project on Artificial intelligence (AI) based deep learning of defects, surface roughness and its linkage to mechanical performance of additively manufactured (AM) aluminum alloys.

3. Criteria for Assessment of the Statement of Capabilities

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

- Has access to the Artificial Intelligence (AI) algorithm, “Materials Informatics for Genetically Enhanced Materials and Manufacturing (MIGEM)” that utilizes computer vision algorithms to extract data features from CT scans and employs Convolution Neural Networks (CNN) to learn material performance.

4. Trade Agreements

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

- North America Free Trade Agreement;
- Canadian Free Trade Agreement;
- Canada-Chile Free Trade Agreement;
- Canada-Columbia Free Trade Agreement;
- Canada-Honduras Free Trade Agreement;
- Canada-Panama Free Trade Agreement;
- Canada-Korea Free Trade Agreement

5. Justification for the Pre-Identified Supplier

The supplier mentioned in section 10 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

6. Exception to the Government Contracts Regulations

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 provider, in section 10, is the only one able to meet all of the criteria identified in paragraph 3 above.

7. Ownership of Intellectual Property

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

8. Contract Period

The contract period will be from Contract Award to March 31, 2022.

9. Estimated Cost

The estimated maximum value of the contract is \$101,700 CAD tax inclusive.

10. Name and Address of the Proposed Contractor

University of Waterloo (Faculty of Engineering)
200 University Avenue W
Waterloo, ON N2L 3G1

11. Suppliers' right to submit a 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.

12. Closing Date

The closing date for a submission of a Statement of Capabilities is December 12, 2019 at 2:00pm (EST).

13. Contract Authority

Raymond Thai

Procurement Officer

Natural Resources Canada

580 Booth Street, Ottawa, ON K1A 0E4

Telephone: 343-543-7427

E-mail address: raymond.thai@canada.ca