

AVANCE CONTRACT AWARD NOTICE (ACAN)

NRCAN-5000066628

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 to perform a project on “Risk-based assessment and integrity management of CO₂ pipelines” for FY2022-23. Research related to design and construction of Carbon diodes (CO₂) pipelines is a critical and integral part of the Carbon Capture, Utilization, and Storage (CCUS) portfolio.

The work will be to conduct a thorough literature review on fracture control and leak-before-break (LBB) behavior of CO₂ pipelines including codes and standards, reference papers, and reports. To develop probabilistic methodologies for fracture control and LBB assessment of CO₂ pipelines as well as research findings related to the fitness-for-service (FFS) assessment methodologies for CO₂ pipelines with respect to corrosion and SCC.

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 proposed resource must hold a PhD in Civil Engineering, Mechanical Engineering, and/or Materials Engineering from a recognized Canadian University or equivalency, and Practicing Professional Engineer in the province of practice.
- The proposed resource must have 5 years in the last 10 years of experience in Technical Committee/Task Force in Canadian Standard Association (CSA) on standards Z662 – Oil and Gas Pipeline Systems, in particular on risk management, and CSA Z260 – Pipeline system safety metrics.
- The proposed resource must have 36 months experience in the last 5 years in developing methodologies and software tools to simulate synthetic corrosion defects on pipe surfaces.
- The proposed resource must have at least 12 months of experience in the last 3 years in fracture mechanics based analysis for CO₂ pipelines.
- The Bidder must demonstrate their in-house testing capacity for fracture toughness testing of pipe steels.

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

This procurement is not subject to any Trade Agreements.

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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. Government Contracts Regulations Exception(s)

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

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

7. Ownership of Intellectual Property

Canada intends to retain ownership of any Foreground Intellectual Property arising out of the proposed contract on the basis that the main purpose of the contract is to generate knowledge and information for public dissemination.

8. Period of the proposed contract or delivery date

The contract period will be from Contract Award Date to March 31, 2023.

9. Cost estimate of the proposed contract

The estimated value of the contract is less than 60,000.00\$ \$ x (GST/HST extra).

10. Name and address of the pre-identified supplier

Western University
1151 Richmond St
London, ON N6A 3K7

11. 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.

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12.C closing date for a submission of a statement of capabilities

The closing date and time for accepting statements of capabilities are
June 21, 2022 at 2:00 p.m. (EDT)

13. Inquiries and submission of statements of capabilities

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