

National Research Council Canada – ACAN SOLICITATION NUMBER: 21-58088 (PR888702)

Requirement for Identifying and Assessing Climate Change Risks for Dams

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

Under the Climate Resilient Built Environment Initiative funded by Infrastructure Canada, the National Research Council has a mandate to enable the incorporation of climate change considerations into regulatory instruments including Codes and Standards for buildings and infrastructure. CSA Group has secured the rights to develop standards addressing climate change resiliency for dams, via the Standards Council of Canada Notice of Intent process.

The work to be undertaken in this contract would involve key elements that serve to advance climate change adaptation of dams in Canada through standards development, capacity building, and advocacy.

This contract seeks to enter into an agreement with the CSA to establish an oversight committee to provide a collaborative platform for key stakeholders to help establish priorities, provide insights, facilitate referencing within regulations, and support referencing of the newly developed standards within regulations. A standard on Vulnerability Assessment for Dams would aim to establish requirements for determining the potential impact of climate change on dam components and performance, using reliable sources of future climate predictions to support the assessment process. The work program will occur concurrently with the work underway at the NRC related to climate change adaptation.

NRC requests under the deliverables of this contract that CSA

- Establish and manage a Dams Oversight Committee;
- Establish and manage a Technical Committee on Dams;
- Commence development of a new standard CSA S910.1 Vulnerability Assessment for Dams, in accordance with the CSA accredited standards development process; delivered in English and French;
- Develop an online two-hour course for CSA S910.1, delivered in English and French;
- Develop a dams outreach strategy and policy primer;
- Hold meetings with key users and decision makers to raise awareness and discuss key benefits CSA S910.1 can offer;

- Develop pilot projects on CSA S910.1 to showcase the value, benefits, and implementation in the real world;
- Develop an implementation guide on CSA S910.1, published in English and French;
- Develop and host a webinar for users/regulators of CSA S910.1;
- Develop infosheets and/or infographics to support CSA S910.1;
- Develop social media announcements on the publication of CSA S910.1; and
- Develop an impact summary for CSA S910.1.

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:

- Association or Company must be a Standards Development Organization with Accreditation under the Standards Council of Canada
- Hold the rights to develop all deliverables
- Significant experience (minimum of 10 years) in the management and development of Codes and Standards by way of established balanced technical committees
- Demonstration of ability to engage with broad range of industry and regulatory bodies on technical matters related to climate change adaptation of dams
- Demonstration of at least 5 years' experience of code or standards development as it pertains to the climate change adaptation of infrastructure
- Demonstration of at least 10-year history working directly with Codes Canada on Code and Standard development

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

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

- Canadian Free Trade Agreement (CFTA)
- World Trade Organization - Agreement on Government Procurement (WTO-AGP)

5. Justification for the Pre-Identified Supplier

The Canadian Standards Association (operating as CSA Group), is an accredited Standards Development Organization ("SDO") in Canada and the United States of America, providing services in accordance with its Policy governing standardization and Directives and guidelines governing standardization, where those documents apply to the services being performed, as well as other non-accredited services and products.

CSA Group has secured the rights to develop standards addressing climate change resiliency for dams, via the Standards Council of Canada Notice of Intent process.

CSA began as the Canadian Engineering Standards Association (CESA) in 1919, federally chartered to create standards. CSA is accredited by the Standards Council of Canada, a crown corporation which promotes efficient and effective standardization in Canada. This accreditation

verifies that CSA is competent to carry out standards development and certification functions, and is based on internationally recognized criteria and procedures.

CSA Group has actively engaged stakeholders of the dam industry to validate the need for standards for dams to address climate change related risks. In 2021, CSA Group launched research focusing on Climate Change Adaptation for Dams with a goal to validate the need for standards-based climate change adaptation solutions, and identify which standards solutions are most urgently needed to reduce climate change risks.

In addition to decades of work tackling issues related to climate change, CSA Group has delivered numerous standards specifically addressing climate change adaptation of Canadian buildings and infrastructure including the North, bridges, fenestration, flooding and durability.

CSA Group has worked in the past in developing standards that compliment and support the National Construction Codes as well as multiple research initiatives.

6. Government Contracts Regulations Exception(s)

Only one vendor is able to satisfy the unique technical requirements listed herein. The following exception to the Government Contracts Regulations is invoked for this procurement under subsection 6 (d) as only one supplier is capable of performing work.

7. Ownership of Intellectual Property

Contractor to Own Intellectual Property Rights. CSA Group has secured the rights to develop standards addressing climate change resiliency for dams, via the Standards Council of Canada Notice of Intent process.

8. Period of the proposed contract or delivery date

The NRC anticipates the contract period will be 3 years with expected start date of December 20, 2021. Completion date anticipated for December 20, 2024. This contract may be renewed for two (2) optional one-year periods at the sole discretion of the NRC.

9. Cost estimate of the proposed contract

The estimated value of the contract, including optional period(s), is approximately \$391,000.00 CAD (GST/HST extra), subject to negotiations.

10. Name and address of the pre-identified supplier

CSA Group
178 Rexdale Blvd.
Toronto, ON M9W 1R3
Canada

11. Suppliers' right to submit a statement of capabilities

Suppliers who consider themselves fully qualified and available to provide the 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.

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

The closing date and time for accepting statements of capabilities is Friday, December 17, 2021 at 11:59PM EST.

13. Inquiries and submission of statements of capabilities

Inquiries and statements of capabilities are to be directed to:

Marlene Lindsay, Head of Procurement Services

Finance and Procurement Services Branch

National Research Council Canada (NRC)

Email: Marlene.Lindsay@nrc-cnrc.gc.ca