



Advance Contract Award Notice

1.0 Introduction

The Canadian Nuclear Safety Commission (CNSC) has a requirement in support of the International Atomic Energy Agency (IAEA) task - 19/CTR-005. Tasked to the Canadian Safeguards Support Programme (CSSP) to support and, through a contractor, to facilitate the IAEA's spent fuel verification using Cerenkov Viewing Device (ICVD) and Digital Cerenkov Viewing Device (DCVD) techniques and provide IAEA inspectors with updated training manual to enable them to competently perform spent fuel verification based on the approved procedures. The purpose of this advance contract award notice (ACAN) is to signal the CNSC's intention to award a contract for these services to:

Channel Systems Inc.
24 Aberdeen Avenue, unit 2,
Pinawa, Manitoba R0E 1L0

Before awarding a contract, however, the CNSC would like to provide other suppliers with the opportunity to demonstrate that they are capable of satisfying the requirements set out in this ACAN, by submitting a statement of capabilities within the posting period for this ACAN, which is 15 calendar days.

If, during the posting period, other potential suppliers submit a statement of capabilities that meets the requirements set out in this ACAN, the CNSC may proceed to a full tendering process via the Government Electronic Tendering Service or by inviting bids directly from suppliers.

If no other supplier submits, on or before the closing date, a statement of capabilities meeting the requirements set out in the ACAN, a contract will be awarded to the above-noted supplier.

2.0 Background

The CNSC's CSSP is one mechanism used by the CNSC to fulfill its mandate on the peaceful uses of nuclear energy pursuant to the Nuclear Non-Proliferation Treaty (NPT). The CSSP provides support for the implementation of Canada's safeguards obligations and resources and assistance to the IAEA in order to ensure the successful application of safeguards and the peaceful use of Canadian-exported nuclear material, technology, and equipment.

Since 1993, the CSSP has been supporting the IAEA's Spent Fuel Verification Training course using the Cerenkov Viewing Device (CVD) and the DCVD. This non-intrusive instrument for spent fuel verification is one of the most used tools at the IAEA. Recently, the IAEA has requested the CSSP's continue assistance to *Update the " Spent fuel verification using ICVD and DCVD techniques " Training Manual* for their inspector training this fiscal year (2020/2021) and going forward, with the involvement and support of an appropriate contractor.



Advance Contract Award Notice

The CSSP accepted this task 19/CTR-005, to supporting the long-term direction "Achieve the technical and behavioral competencies of IAEA safeguards staff needed to successfully carry out their assigned safeguards duties and to strengthen SSACs competencies in the fulfillment of their safeguards obligations"; in sustaining Strategy 2 "Coping with the workload"; and Strategy 6 "Managing the workforce" in the Departmental Long-Term Strategic Plan, 2012-2023.

The IAEA's needs continue to depend on safeguards inspection requests and on changes of staff. As such, it is likely that the editing of the training manual will be required on an annual basis for the next a few years. Further courses beyond 2021 will depend on the IAEA's needs.

The estimated value of the contract, including the option period, is from \$75,000 to \$235,000. Applicable taxes are extra.

3.0 Minimum Mandatory Requirements

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

- Three years of experience in delivering lectures in subject of science, technology or engineering in English to participants with various background of culture and languages
- Comprehensive knowledge and understanding of nuclear fuel cycle, spent fuel and Cerenkov light
- Five years practice of using ICVD and DCVD for spent fuel verification (SFV) in field, thorough knowledge of operation of these equipment and associated data analysis
- University degree in science and technology or engineering for the lecturer

4.0 Justification for the Pre-selected Supplier

Channel Systems Inc. (CSI) has developed the DCVD instrument and originally designed the SFV and DCVD training material, and has significant experience with the DCVD and its application in spent fuel verification. In addition to provide instruction to IAEA inspectors in the spent fuel verification course for over 15 years, the company has also been instrumental in updating the course material, including field exercises, in consultation with the IAEA. As a result, CSI has a very comprehensive understanding of the DCVD and SFV training requirements for IAEA inspectors.

No other known company has the knowledge or the expertise on both the ICVD and DCVD to update the training manual that CSI possesses.

5.0 Intellectual Property



Advance Contract Award Notice

Canada intends to retain ownership of any foreground intellectual property arising out of the proposed contract on the basis that the Foreground consists of material subject to copyright, with the exception of computer software and all documentation pertaining to that software.

6.0 Statement of Capabilities

Suppliers who consider themselves fully qualified and available to meet the specified requirements may submit a statement of capabilities in writing to the contracting authority 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.

The closing date and time for accepting statements of capabilities is at 2:00 p.m. (EST) on November 2, 2020.

7.0 Contact Information

Inquiries and statements of capabilities are to be directed in writing to:

Luc Bonhomme
280 Slater Street
P.O. Box 1046, Station B
Ottawa ON K1P 5S9
Canada

Telephone: 613-293-0419

Email: cnsolicitation-demandedesoumission.ccsn@canada.ca

8.0 Policy Information

This requirement is subject to:

Government Contracts Regulations (GCRs) section 6: “Notwithstanding section 5, a contracting authority may enter into a contract without soliciting bids where... (d) only one person is capable of performing the contract.”

Canadian Free Trade Agreement (CFTA) – (Article 513: Limited Tendering)

World Trade Organization – Agreement on Government Procurement (WTO-AGP) – (Article XIII.1 b)

Canada-European Union Comprehensive Economic and Trade Agreement (CETA) – (Article 19.12 - Limited Tendering)



Advance Contract Award Notice

Canada-Peru Free Trade Agreement (CPFTA) – (Article 1409 - Limited Tendering)

Canada-Chile Free Trade Agreement (CCFTA) – (Article Kbis-09 - Limited Tendering)

Canada-Honduras Free Trade Agreement (CHFTA) – (Article 17.11- Limited Tendering)

Canada-Panama Free Trade Agreement (CPaFTA) – (Article 16.10 - Limited Tendering)

Canada-Colombia Free Trade Agreement (CCoFTA) – (Article 1409 - Limited Tendering)

Canada-Ukraine Free Trade Agreement (CUFTA) – (Article 13.10 - Limited Tendering)

Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP) – (Article 15.10 - Limited Tendering)