



**Préavis d'adjudication de contrat (PAC)
Advanced Contract Award Notice (ACAN)**

01B46-19-123

Agriculture and Agri-Food Canada (AAFC)

An Advance Contract Award Notice (ACAN) is a notification through the open bidding methodology of the intent to award a directed contract.

An Advance Contract Award Notice (ACAN) allows departments and agencies to post a notice, for no less than fifteen calendar days, indicating to the supplier community that it intends to award a good, service or construction contract to a pre-identified contractor. If no other supplier submits, on or before the closing date, a statement of capabilities that meets the requirements set out in the ACAN, the competitive requirements of the government's contracting policy have been met. Following notification to suppliers not successful in demonstrating that their statements of capabilities meets the requirements set out in the ACAN, the contract may then be awarded using the Treasury Board's electronic bidding authorities.

If other potential suppliers submit Statements of Capabilities during the fifteen calendar day posting period, and meet the requirements set out in the ACAN, the department or agency must proceed to a full tendering process on either the government's electronic tendering service or through traditional means, in order to award the contract.

Title

Replacement of the lifting system and Safety System Upgrade

Statement of work

To upgrade the safety control system on GB651-003. This will make the system compatible with the existing Nordion safety platform, and allow for a future safety upgrades which meet the latest Nordion Standard.

This upgrade will bring the irradiator to Nordion's standard safety level from the aspect of entering the room and using the entrance (maze) door.

A new panel will be added to host the safety unit as the main platform for safety components. This panel and its accessories will address radiation hazards associated with entering the source pass through the maze entrance.

To achieve this, the following safety devices will be added:

- Safety light curtain to check the source(s) position
- Safety guard lock to restrict access while machine is in operation
- Low water mechanism to check the pool water level
- Safety dump valve controlling air to source hoist(s)
- L385 Ludlum monitor for personnel entrance.



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The new panel uses a series of I/O and Relays to communicate with existing control system.

The customer's existing control system including current PLC and SCADA is responsible for all operation and will remain the same.

Nordion will use the Customers existing PC's for this upgrade, which allows for remote access and support. Two new PC's were programmed and supplied under previous sales order SOA 220054 and SOA 220386.

Control Room

A Ludlum L385-24VDC personnel door interlock monitor will be provided and wired through the safety unit.

A personnel door safety limit switch and safety door lock

Provide new Cabinet for safety unit and I/O.

Source Pass

A new water level switch will be installed to complement the existing low water switch and provide redundancy for a low water hazard.

Source Mechanism

A new safety rated source(s) down detector mechanism will be installed. The new system will detect the position (up or down) of all source racks.

A new lockable source gate with pneumatic valve assembly will be supplied at the entrance of the personnel access door. The gate replaces the current system and provides a means to lock-out / tag-out the air to the source hoist.

A new safety rated dump valve will be provided for the air line, feeding the source hoist(s). It will be controlled by the safety unit and will dump the air if the safety condition for entrance is not met.

Quality Assurance Program

The Irradiator Control system is designed, manufactured, inspected and installed following Nordion's ISO 9001 quality system. This includes detailed project and quality planning, design reviews, on-site equipment verifications, and commissioning for customer acceptance.

Quality Records

Nordion maintains copies of all records necessary to comply with ISO 9001 for customer's supplier audit. These records are maintained for the full life of the irradiator, until eventual decommissioning in accordance with requirements of regulatory authorities. Information and records as called upon in the quality assurance program will be made available for customer review. The language of use will be English. The Factory Acceptance document, equipment Installation, qualification (IQ) document and equipment operational qualification (OQ) document will be provided to the customer for



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the customer's IQ of the irradiator. (Nordion's IQ and OQ typically are considered the IQ referred to by ISO11137)

Cost

\$ 201,695.00 + taxes

Timeline

From December 11, 2019 to February 28, 2020

Proposed supplier

Nordion Canada Inc.
447 March Road
Ottawa, ON, K2K 1X8

Justification for sole-sourcing

Any modifications or additions to this type of equipment must be made by a supplier authorized by the Canadian Nuclear Safety Commission (CNSC). The CNSC is responsible for the Nuclear Safety and Control Act. This legislation requires us to do business with a CNSC-licensed supplier and Nordion is the only one in Canada. Since this is risky equipment, we must comply with the CNSC regulations for the possession and use of this equipment under the CNSC license.

Suppliers' right to submit a Statement of Capabilities:

Suppliers who consider themselves fully qualified and available to provide the services described herein, 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 stated requirements.

Closing date for the submission of the Statement of Capabilities:

December 11, 2019 at 2 p.m. (Montreal time)

Inquiries and Submission of Statements of Capabilities: requests for information shall be submitted **IN WRITING** to the contracting authority:

Jean-François Lemay
Procurement Officer
Agriculture and Agri-Food Canada
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Montréal QC H3A 3N2
Jean-francois.lemay@canada.ca