Advance Contract Award Notice (ACAN)

23-58210

Acquisition of two (2) Environmental Cycling Chambers

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 Construction Research Center of the National Research Council Canada has a requirement for the supply of quantity of two (2) dynamic environmental cycling chambers in accordance with the following requirements:

   - Must be able to operate between -68 °C – 180 °C temperature range and be able to program dynamic cycles;
   - Must be able to run multiple cycles and have a maximum temperature fluctuations of ±1 °C;
   - Must have a maximum RH fluctuations of ±5%;
   - Must have humidity levels of 20% to 95% over temperature of 20 °C to 85 °C (limited by 5 °C dew point);
   - Must have an internal capacity of 36” length x 36” width x 40” height;
   - Must have a maximum external size of 55” length x 78” width x 77” height;
   - Must have a minimum heating rate of 3 °C/min;
   - Must have a minimum of 2 C°/min cooling rate and have a minimum of ±2 °C of temperature uniformity.
   - Must have a control system and instrumentation with color touch panel; Ethernet Modbus TCP connectivity, high-speed USB 2.0 host port, data logging and graphical trend chart;
   - Must have safety features of fusible plug for refrigeration system, non-toxic and non-explosive refrigeration system, overcurrent production for all circuits, covered blowers;
   - Must have an electrical power system Comply with NEMA 1, NEC, UL, Standard,Step-down transformer to provide 115 volt power for the chamber control circuit, All branch circuits shall be protected with UL approved fuses or circuit breakers;
   - Must have a refrigeration system with air cooled condenser.

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 its *product/equipment/system (as appropriate)* meets the following requirements:

   - Must be able to operate between -68 °C – 180 °C temperature range and be able to program dynamic cycles;
   - Must be able to run multiple cycles and have a maximum temperature fluctuations of ±1 °C;
   - Must have a maximum RH fluctuations of ±5%;
   - Must have humidity levels of 20% to 95% over temperature of 20 °C to 85 °C (limited by 5 °C dew point);
   - Must have an internal capacity of 36” length x 36” width x 40” height;
   - Must have a maximum external size of 55” length x 78” width x 77” height;
   - Must have a minimum heating rate of 3 °C/min;
   - Must have a minimum of 2 C°/min cooling rate and have a minimum of ±2 °C of temperature uniformity.

4. Applicability of the trade agreements to the procurement

   This procurement is subject to the following trade agreements:

   - Canadian Free Trade Agreement (CFTA)
   - Canada-Korea Free Trade Agreement (CKFTA)

5. Justification for the Pre-Identified Supplier

   The chamber was used in the ongoing research and it is required to use an identical system for the comparability of the results in terms of the interior volume of the chamber and the rate of temperature change. Similar products in the market have exterior dimensions which are too large to bring into our lab space. Alternative comparable products would require building modifications to bring the chambers inside the proposed designated area.

6. Government Contracts Regulations Exception(s)

   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".

7. Exclusions and/or Limited Tendering Reasons

The following exclusion(s) and/or limited tendering reasons are invoked under the:

a. Canadian Free Trade Agreement (CFTA) – Article 513 (1) (b) (iii): due to an absence of competition for technical reasons;
b. Canada-Korea Free Trade Agreement (CKFTA) – referencing the WTO Protocol Amending the GPA, Article XIII (1) (b) (iii): due to an absence of competition for technical reasons;

8. Period of the proposed contract or delivery date

The system must be delivered on March 29th, 2024.

9. Cost estimate of the proposed contract

The estimated value of the contract, is $ 103,592.12 CAD *(*GST/HST extra).

10. Name and address of the pre-identified supplier

Thermal Product Solution (TPS), LLC

2821 Old Route 15, New Columbia, PA 17856, USA

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.

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

The closing date and time for accepting statements of capabilities are:

January 26, 2024 at 2:00 p.m. EST.

13. Inquiries and submission of statements of capabilities

Inquiries and statements of capabilities are to be directed to:

Stéphane Lajoie
Senior Contracting Officer
E-mail: stephane.lajoie@nrc-cnrc.gc.ca