



National Defence
National Defence Headquarters
Ottawa, Ontario
K1A 0K2

Défense nationale
Quartier général de la Défense nationale
Ottawa (Ontario)
K1A 0K2

REQUEST FOR PROPOSAL

DEMANDE DE PROPOSITION

**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À :**

Attn : Donna Lowes, DLP 8-2-2
Donna.Lowes@forces.gc.ca

Proposal To: National Defence Canada

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods and services listed herein on any attached sheets at the price(s) set out therefor.

Proposition à : Défense nationale Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens et services énumérés ici et sur toute feuille ci-annexée, au(x) prix indique(s).

Solicitation Closes – L’invitation prend fin

At – à : **1400 hrs EST**

On – le : **27 April, 2023**

Title/Titre: Environmental Chambers	Solicitation No. - N° de l’invitation W6399-23-LM88/A
Date of Solicitation - Date de l’invitation March 28, 2023	
Address enquiries to: - Adresser toute demande de renseignements à : Department of National Defence Attention: Donna Lowes, DLP 8-2-2	
Destination See herein	

Instructions:

Municipal taxes are not applicable. Unless otherwise specified herein all prices quoted must include all applicable Canadian customs duties, GST/HST, excise taxes and are to be delivered Delivery Duty Paid including all delivery charges to destination(s) as indicated. The amount of the Goods and Services Tax/Harmonized Sales Tax is to be shown as a separate item.

Instructions: Les taxes municipales ne s’appliquent pas. Sauf indication contraire, les prix indiqués doivent comprendre les droits de douane canadiens, la TPS/TVH et la taxe d’accise. Les biens doivent être livrés « rendu droits acquittés », tous frais de livraison compris, à la ou aux destinations indiquées. Le montant de la taxe sur les produits et services/taxe de vente harmonisée doit être indiqué séparément.

Delivery required – Livraison exigée	Delivery offered – Livraison propose
Vendor Name and Address – Raison sociale et adresse de fournisseur	
Name and title of person authorised to sign on behalf of vendor (type or print) – Nom et titre de la personne autorisée à signer au nom du fournisseur (caractère d’imprimerie)	
Name/Nom _____	Title/Titre _____
Signature _____	Date _____

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There is no security requirement applicable.

1.2 Statement of Work

The Contractor must perform the work in accordance with the Statement of work at Annex "A".

1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 Trade Agreements

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the Canada-Chile Free Trade Agreement (CCFTA), the Canadian Free Trade Agreement (CFTA), the Canada-Peru Free Trade Agreement (CPFTA), the Canada-Columbia Free Trade Agreement (CCoIFTA), the Canada-Panama Free Trade Agreement (CPanFTA), the Canada-Honduras Free Trade Agreement (CHFTA), the Canada-Korea Free Trade Agreement (CKFTA) and the Canada-European Union Comprehensive Economic and Trade Agreement (CETA).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2022-03-29) Standard Instructions – Goods and Services – Competitive Requirements, are incorporated by reference into and form part of the bid solicitation, with the following modifications:

- a) Section 02, Procurement Business Number is deleted in its entirety.
- b) Section 20(2), Further Information is deleted in its entirety.
- c) Subsection 2.d. of Section 05, Submission of Bids, is deleted in its entirety and replaced with the following:

Send its bid only to the address specified in the bid solicitation.

- d) Section 06, Late Bids, Is deleted in its entirety;

- e) The text under Section 07, Delayed Bids, is deleted in its entirety and replaced with the following:

It is the Bidder's responsibility to ensure that the Contracting Authority has received the entire submission. Misrouting or other electronic delivery issues resulting in late submission of bids will not be accepted.

- f) Subsection 1 of Section 08, Transmission by Facsimile and epost connect is deleted in its entirety.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days
Insert: 120 days

2.2 Submission of Bids

- a) Bids must be submitted only to the Department of National Defence by the date, time and place indicated on page 1 of the bid solicitation. Bids must be received electronically as noted in subparagraph b).

Electronic Submissions: Individual e-mails exceeding five (5) megabytes, or that includes other factors such as embedded macros and/or links, may be rejected by the DND e-mail system and/or firewall(s) without notice to the Bidder or Contracting Authority. Larger bids may be submitted through more than one e-mail. The Contracting Authority will confirm receipt of documents. It is the Bidder's responsibility to ensure that the Contracting Authority has received the entire submission. Bidders should not assume that all documents have been received unless the Contracting Authority confirms receipt of each document. In order to minimize the potential for technical issues, Bidders are requested to allow sufficient time before the closing time and date to confirm receipt. Technical and financial documents received after the closing time and date will not be accepted.

Due to the nature of the bid solicitation, bids transmitted by facsimile and epost Connect will not be accepted.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 10 calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in **Ontario**.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory

specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Canada requests that Bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (1 Electronic copy)

Section II: Financial Bid (1 Electronic copy)

Section III: Certifications (1 Electronic copy)

Section IV: Additional Information (1 Electronic copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

(a) use a numbering system that corresponds to the bid solicitation.

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Section II: Financial Bid

Bidders must submit their financial bid as follows:

Bidders must submit firm prices, delivered Delivery Duty Paid (DDP) at **Valcartier, QC** Incoterms 2010 as indicated in Annex D Pricing Schedule, Applicable Taxes excluded. The total amount of Applicable Taxes must be shown separately, and.

Unless the bid solicitation specifically requires bids to be submitted in Canadian currency, bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.

3.1.1 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex F: Electronic Payment Instruments, to identify which ones are accepted.

If Annex F: Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.2 Exchange Rate Fluctuation

C3011T (2013-11-06), Exchange Rate Fluctuation

3.1.3 SACC Manual Clauses

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada and a contractor from Calian may evaluate the bids.

4.1.1 Technical Evaluation

The technical evaluation will be carried out as per Annex "C" Technical Evaluation Criteria.

4.1.1.1 Mandatory Technical Criteria

Bidders must meet all mandatory technical evaluation criteria detailed in Annex "C".

4.1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, Delivered Duty Paid (DDP) at **Valcartier, QC** Incoterms 2010, Canadian customs duties and excise taxes included, Applicable Taxes excluded.

4.2 Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless otherwise specified, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's website](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed) (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed annex [Federal Contractors Program for Employment Equity - Certification](#), before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

6.1.1 There is no security requirement applicable to this Contract.

6.2 Statement of Work

The Contractor must perform the work in accordance with the Statement of work at Annex "A".

6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

[2010A](#) (2022-12-01) General Conditions - Goods (Medium Complexity), apply to and form part of the Contract, with the following modifications:

a. Definition of Minister is modified as follows:

"Canada", "Crown", "Her Majesty" or "the Government" means Her Majesty the Queen in right of Canada as represented by the Minister of National Defence and any other person duly authorized to act on behalf of that minister or, if applicable, an appropriate minister to whom the Minister of National Defence has delegated his or her powers, duties or functions and any other person duly authorized to act on behalf of that minister.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before _____ (1 year after contract award).

6.4.2 Option to Extend the Contract

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Appendix 1 of Annex A (Statement of Work of Environmental Chambers) of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option within 36 months after Contract award by sending a written notice to the Contractor.

6.4.3 Shipping Instructions

Goods must be consigned and delivered to the destination specified in the contract:

1. Incoterms 2010 "DDP Delivered Duty Paid" at destinations indicated in Annex B.
2. The Contractor must deliver the goods by appointment only. The Contractor or its carrier must arrange delivery appointments by contacting the Technical Authority. The consignee may refuse shipments when prior arrangements have not been made.

(a) Delivery of initial quantities:

Munitions Experimental Test Centre,
2459 Route de la Bravoure, Quebec,
Quebec, G3J 1X5,
Canada

(b) Delivery of option quantities:

Deliver the Environmental Chambers to the following in accordance with the delivery instructions at time of order:

- i. Munitions and Experimental Test Center (METC) located at CFB Valcartier; or
- ii. Quality Engineering Test Establishment located at the National Printing Bureau in Gatineau, Quebec;

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Donna Lowes
Title: Senior Procurement and Contracting Officer
Address: Department of National Defence
101 Colonel By Drive
Ottawa, Ontario
K1A 0K2

Telephone: 613-998-4714
E-mail: Donna.Lowes@forces.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Technical Authority

The Technical Authority for the Contract is: *(To be entered after contract award)*

Name: _____
Title: _____
Organization: _____

Address: _____
Telephone: _____
Facsimile: _____
E-mail address: _____

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative *(To be completed by the bidder)*

The person responsible for:

General enquiries

Name: _____
Telephone No.: _____
E-mail address: _____

Delivery follow-up

Name: _____
Telephone No.: _____
E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price in Annex "D" for a cost of \$ _____ (to be inserted at contract award). Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.6.2 Limitation of Price

SACC Manual clause [C6000C](#) (2017-08-17) Limitation of Price

6.6.3 Multiple Payments

SACC Manual clause [H1001C](#) (2008-05-12) Multiple Payments

6.6.4 SACC Manual Clauses

SACC Manual clause [C2000C](#) (2007-11-30) Taxes Foreign Based Contractor

6.6.5 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Direct Deposit (Domestic and International);
- b. Electronic Data Interchange (EDI);
- c. Wire Transfer (International Only);
- d. Large Value Transfer System (LVTS) (Over \$25M)

6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - a. The original invoice must be forwarded electronically to the contracting authority for certification and payment.

6.8 Certifications

6.8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

6.8.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "[FCP Limited Eligibility to Bid](#)" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in **Ontario**.

6.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions 2010A (2022-12-01) Goods – Medium Complexity;
- (c) Annex A, Statement of Work;

- (d) Annex B, Technical Specification;
- (e) Annex D, Pricing Schedule
- (f) the Contractor's bid dated _____

6.11 Defence Contract

SACC Manual clause [A9006C](#) (2012-07-16) Defence Contract

6.12 Insurance

SACC Manual clause [G1005C](#) (2016-01-28) Insurance – No specific Requirement

6.13 SACC Manual Clauses

SACC Manual clause [B1501C](#) (2018-06-21) Electrical Equipment

6.14 Packaging Requirement

The Contractor must prepare items for delivery in accordance with the latest issue of the Canadian Forces Packaging Specification *D-LM-008-036/SF-000*, DND Minimum Requirements for Manufacturer's Standard Pack.

The Contractor must package item number(s) 1 in quantities of 1 by package.

SACC Manual clause [D3015C](#) (2014-09-25), Dangerous Goods / Hazardous Products

SACC Manual clause [D2000C](#) (2007-11-30), Markings

SACC Manual clause [D2001C](#) (2007-11-30), Labelling

SACC Manual clause [D2025C](#) (2017-08-17), Wood Packing Materials

SACC Manual clause [D2015C](#) (2010-01-11), Expiration Date of Shelf Life

6.15 Quality Assurance

SACC Manual clause [D5545C](#) (2019-05-30), ISO 9001:2008 – Quality Management Systems Requirement (Quality Assurance Code C)

6.16 Post-Contract Award Meeting

The Contractor must hold a contract kickoff meeting at its production facility or by teleconference, as arranged with Procurement Authority, within four to six (4-6) weeks of Contract award. This meeting will be used to introduce the DND project team and to discuss production timelines, QA processes, and delivery options and locations. The Contractor is responsible for the recording and distribution of the minutes for the Kickoff Meeting. The minutes must be distributed to all participants within ten (10) calendar days of the meeting. The minutes must be used only as a record of proceedings.

DND will be responsible for all travel and associated costs for DND personnel attending the meeting. The kickoff meeting may be waived at DND's discretion.

6.17 Inspection and Acceptance

The Technical Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

ANNEX A STATEMENT OF WORK FOR ENVIRONMENTAL CHAMBERS

1. SCOPE

1.1 Purpose

The purpose of this statement of work is to describe the scope and requirements that apply to the delivery, installation and set-to-work of Environmental Chambers for the Department of National Defence (DND).

1.2 Applicable Documents

The following documents form part of this statement of work and are supportive of this statement of work when referenced; any other documents are to be considered supplemental information only. In the event of a conflict between the documents and the contents of this statement of work, then the contents of this statement of work must take precedence.

- MILHDBK-61A Configuration Management Guidance (available upon request)
- ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories (www.iso.org)

1.3 Acronyms

CFB	Canadian Forces Base
DND	Department of National Defence
METC	Munitions and Experimental Test Centre
QETE	Quality Engineering Test Establishment
TDP	Technical Data Package

2. DELIVERABLES

The Contractor must deliver the following:

Quantity two (2) Environmental Chambers in accordance with the Operational Performance and Technical Requirements at Annex B;

Delivery, installation and set-to-work of the Environmental Chambers in accordance with Section 0;

Training in accordance with Section 0;

A Technical Data Package (TDP) in accordance with Section 0; and

Technical Support in accordance with Section 0.

Optional procurements are given at Appendix 1.

2.1 Training

The Contractor must provide training, in English and French, as follows:

-
- (a) A one (1) day, eight (8) hour (maximum) Operator/Maintenance Course that covers the following (as a minimum) for the Environmental Chambers:
- i. A physical and functional description of the Environmental Chamber and all incorporated equipment and fittings including performance limitations;
 - ii. Preparations and usage instructions including:
 - a. Modes of operation;
 - b. Function of controls; and
 - c. Estimated life of components, and replacement;
 - iii. Instructions on care, cleaning and routine maintenance;
 - iv. Safety warnings and emergency procedures;
 - v. Calibration procedures;
 - vi. Hands-on repair and replacement of all operator-replaceable components; and
 - vii. Hands-on training including:
 - a. Operation; and
 - b. Programming test scenarios;
- (b) Training Courses as follows:
- i. Training for up to six (6) DND personnel;
 - ii. Training courses to be provided at each delivery location at a time of initial delivery/installation; and
 - iii. For each course, each candidate is to be provided with a copy of the respective training course and manuals (as required) in both hard copy and in electronic format (MS Word, MS PowerPoint or PDF).

2.2 Technical Data Package (TDP)

The Contractor must provide a TDP to each delivery location as follows:

- (a) Equipment Certifications as follows:
- i. Certificate of Calibration – For each chamber delivered, a Certificate of Calibration for a traceable calibration, performed in a laboratory having a quality management system compliant with ISO/IEC 17025:2017;
 - ii. Certificate of Conformance – A Certificate of Conformance to attest that the delivered equipment has been manufactured according to the Contractor's published specifications and has been verified to function as designed and include the location and date of completion of manufacturing and be signed by an authorized representative of the manufacturer;
 - iii. Statement of Continued Production and Support – A Statement of Continued Production to attest that the equipment is neither manufacturer-discontinued nor is there an intent to discontinue the manufacturing of the equipment within two (2) years of delivery; and
 - iv. Equipment Environmental Assessment Report – An Equipment Environmental Assessment (EEA) report in accordance with 0 to the DND Technical Authority including supporting documentation (e.g., Safety Data Sheets (SDS) for all hazardous chemical products in accordance with WHMIS 2015 requirements). Contractor proprietary information will be treated with confidentiality and not released to a third party;

Manuals as follows:

- i. Operators Manual that details information about the functionality and operation of the equipment and the care and maintenance of the equipment that is normally performed by the Operator;

-
- ii. Maintenance Manual that detail instructions for Operator preventive and corrective maintenance; and
 - iii. Calibration Manual that details instructions for performing an ISO/IEC 17025 accredited calibration;

Note: Manuals may be provided separately or as a single combined document.

Documentation Format - Equipment documentation, reports, certificates and compliance statements are to be provided in English, or in a bilingual (English/French) format, as follows:

- i. To be provided in the Contractors' format unless specified otherwise;
- ii. Documents provided in PDF format are to be searchable;
- iii. Electronic documents are to be stand-alone functional, and not require a password, auto-run installation procedure or an internet connection; and
- iv. All files provided by email are to be no larger than 10 MB. Files larger than 10 MB are to be divided into sections in such a way that each file size is below 10 MB, without restricting the quality/clarity of the document.

2.3 Kick-Off Meeting

The Contractor must hold a contract kickoff meeting at its production facility or by teleconference, as arranged with Procurement Authority, within four to six (4-6) weeks of Contract award. This meeting will be used to introduce the DND project team and to discuss production timelines, QA processes, and delivery options and locations. The Contractor is responsible for the recording and distribution of the minutes for the Kickoff Meeting. The minutes must be distributed to all participants within ten (10) calendar days of the meeting. The minutes must be used only as a record of proceedings.

DND will be responsible for all travel and associated costs for DND personnel attending the meeting. The kickoff meeting may be waived at DND's discretion.

3. **REQUIREMENTS**

3.1 Delivery/Installation

The Contractor must:

- (a) Deliver the Environmental Chambers to the following in accordance with the delivery instructions at time of order:
 - iii. Munitions and Experimental Test Center (METC) located at CFB Valcartier; or
 - iv. Quality Engineering Test Establishment located at the National Printing Bureau in Gatineau, Quebec;

Provide all tools and supplies necessary to complete all work related to delivery and installation with the exception of the following to be provided by DND:

- i. Forklift or other lifting device as required to move chamber into and out of the installation area; and
- ii. All wiring and connectors required for the electrical installation of the new chambers;

Install, level and secure the Environmental Chambers and support hook-up of the electrical connections by DND Technicians;

Perform all actions needed to commission the Environmental Chambers for operational use including visual inspections, system checks, tests and any other activities specified by the manufacturer. All work is to be completed by a factory-authorized service representative;

Conduct set-to-work including calibration and commissioning requirements as specified by the manufacturer to ensure the Environment Chambers will operate in accordance with the manufacturer's specifications; and

Clean up the site and remove all packing material, etc., to be disposed of by the Contractor in a suitable on-site waste disposal bin.

3.2 Quality Assurance

The Contractor must:

- (a) Establish, implement, document and maintain a quality system that ensures conformance to contractual requirements and meets the objectives of the ISO 9001 or equivalent quality system model during performance of this Contract; and
- (b) Conduct Quality Conformance inspections and tests during manufacture in accordance with the Contractor's standard acceptance test plan. Details of the test plan, and documentation of all inspections/tests, are to be provided to DND upon request. DND reserves the right to send a representative(s) to witness production acceptance testing for all systems. DND will provide a minimum of two (2) weeks' notice of a Quality Assurance visit.

3.3 Configuration Control

The Contractor must have an established, DND verifiable, Configuration Management (CM) Program with control systems in place in accordance with MIL-HDBK-61A, and must provide configuration identification, control and status accounting of all new and/or modified hardware, software and documentation. All Environmental Chambers delivered must have the same product baseline and support interchangeability/interoperability of parts.

3.4 In case of Recall

DND must be advised in writing as soon as reasonably possible in the event of safety-related product recalls or advisories, component defects, security vulnerabilities and other issues that may adversely affect product performance and/or functionality for a minimum of ten (10) years.

3.5 Technical Support

The Contractor must provide technical support by phone/email during regular business hours during the warranty period. All requests for technical support must be responded to within 24 hours. This initial response (within 24 hours) must acknowledge and log the DND request and conduct a preliminary scan of the reported problem. The actual rectification of the problem will be arranged between the DND representative and the Contractor.

3.5.1 Software maintenance/updates

In addition to technical support, software maintenance/updates must be available for a period of ten (10) years following Contract Award.

APPENDIX 1 OPTIONAL PROCUREMENTS

DND is under no obligation to purchase additional Environmental Chambers. Should DND decide to exercise options within thirty-six (36) months of Contract Award, the Contractor must deliver the following (multiple options may be exercised):

- (a) Up to quantity three (3) Environmental Chambers in accordance with the Operational Performance and Technical Requirements at Annex B;

Delivery, installation and set-to-work of the Environmental Chambers in accordance with Section 0;

Additional training in accordance with Section 0;

A Technical Data Package (TDP) in accordance with Section 0; and

Additional Technical Support in accordance with Section 0.

APPENDIX 2 EQUIPMENT ENVIRONMENTAL ASSESSMENT REPORT

DATA ITEM DESCRIPTION (DID)																																			
1. TITLE Equipment Environmental Assessment (EEA) Report			2. IDENTIFICATION NUMBER TBD																																
3. DESCRIPTION The EEA Report identifies and documents all integrated hazardous substances and hazardous chemical products in the equipment design.																																			
4. APPROVAL DATE		5. OFFICE OF PRIMARY INTEREST		6. GIDEP APPLICABLE N/A																															
7. APPLICATION/INTERRELATIONSHIP This DID contains content and preparation instructions for the EEA Report.																																			
8. ORIGINATOR			9. APPLICABLE FORMS N/A																																
10. PREPARATION INSTRUCTIONS																																			
<p>10.1 FORMAT The EEA Report may be completed in the Contractor's format.</p> <p>10.1.1 Title Page</p> <p>a. Equipment Name and NSN (if available)</p> <p>b. Assessment Contact: Name, title and company name of the author of the EEA</p> <p>10.1.2 Tables</p> <p>Table 1 lists the integrated hazardous substances and chemical products that must be identified, if they are incorporated in the equipment design. The hazardous chemical products must have safety data sheets (SDS) which conform to WHMIS 2015*, to be provided in Annex A.</p> <p>* The Workplace Hazardous Materials Information System (WHMIS) is Canada's national hazard communication standard.</p> <p>Table 2 lists the ionizing and non-ionizing radiation sources and batteries.</p> <p>Table 1 Identification of Hazardous Substances and Chemical Products</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Integrated Hazardous Substances</th> <th style="width: 5%;">NSN</th> <th style="width: 10%;">Original OEM Part Number</th> <th style="width: 15%;">Item Description</th> <th style="width: 10%;">Location</th> <th style="width: 30%;">Additional Details</th> </tr> </thead> <tbody> <tr> <td>Arsenic, Cadmium, Chromium VI, Cobalt, Lead, Radioactive metals</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Halocarbons – refrigerant and air-conditioning systems</td> <td></td> <td></td> <td></td> <td></td> <td>Type and weight (kg). Global Warming Potential of Hydrofluorocarbons used for refrigerant applications.</td> </tr> <tr> <td>Mercury and its compounds</td> <td></td> <td></td> <td></td> <td></td> <td>Form of mercury (e.g. liquid, vapour) and weight (mg)</td> </tr> <tr> <td>Polychlorinated Biphenyl (PCBs)</td> <td></td> <td></td> <td></td> <td></td> <td>Form (liquid or solid), quantity (kg), volume (L) and concentration in ppm</td> </tr> </tbody> </table>						Integrated Hazardous Substances	NSN	Original OEM Part Number	Item Description	Location	Additional Details	Arsenic, Cadmium, Chromium VI, Cobalt, Lead, Radioactive metals						Halocarbons – refrigerant and air-conditioning systems					Type and weight (kg). Global Warming Potential of Hydrofluorocarbons used for refrigerant applications.	Mercury and its compounds					Form of mercury (e.g. liquid, vapour) and weight (mg)	Polychlorinated Biphenyl (PCBs)					Form (liquid or solid), quantity (kg), volume (L) and concentration in ppm
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Polychlorinated Biphenyl (PCBs)					Form (liquid or solid), quantity (kg), volume (L) and concentration in ppm																														

Hazardous Chemical Products (SDS Required)	NSN	Original OEM Part Number	Ingredient	Chemical Abstract Service Number (CAS#)	Controls*
Halocarbons – Fire extinguishing systems					
Halocarbons – In aerosol Products					
Paints and related commodities (Chemical Agent Resistant Coating (CARC) – CARC and non-CARC)					
Fire-fighting Foams					
Cleaner and Degreasers					
POLs (Petroleum, Oils, Lubricants)					
Adhesives					
Anti-seize					
Corrosion Inhibitor					
Decontaminant					
Detector Kit Chemical substances					

*Controls: Identify if the substance is regulated under the Canadian Environmental Protection Act (CEPA); targeted in Schedule 1, Toxic Substance List under the CEPA and/or subject to the reporting requirements under the National Pollutant Release Inventory (NPRI).

Table 2 Identification of radiation sources and batteries

Categories	NSN	Original OEM Part Number	Item Description	Location*	Additional Details
Non-ionizing radiation					Type of electromagnetic energy (laser, microwave, radio frequency) and strength
Ionizing radiation					Type and quantity or activity level
Batteries					Type

* Identify the system/sub-system where these items are located.

10.1.3 References

List references consulted in the completion of the table (such as Canadian legislation, DND policies and procedures, technical documentation)

Annex A Safety Data Sheets (SDS)

For all hazardous chemical products identified in Table 1, ensure SDS are provided as per WHMIS 2015.

ANNEX B TECHNICAL SPECIFICATION OPERATIONAL PERFORMANCE AND TECHNICAL REQUIREMENTS

1. SCOPE

1.1 General

This specification details the operational performance and technical requirements for Environmental Chambers. All requirements are mandatory.

1.2 Applicable Documents

The following documents form part of this specification to the extent specified herein, and are supportive of this specification when referenced; all other document references are to be considered supplemental information only. In the event of a conflict between the documents referenced herein and the contents of this specification, then the contents of this specification take precedence.

- Prohibition of Certain Toxic Substances Regulations (<http://laws-lois.justice.gc.ca/eng/regulations/SOR-2012-2085>)
- Canadian Hazardous Products Act (<http://laws-lois.justice.gc.ca/eng/acts/H-3>)
- Canadian Environmental Protection Act (<http://laws-lois.justice.gc.ca/eng/acts/c-15.31>)
- Canadian Occupational Health and Safety Regulations (<http://laws-lois.justice.gc.ca/eng/regulations/SOR-86-304>)
- CSA C22.1:21 Canadian Electrical Code, Part I (25th Edition), Safety Standard for Electrical Installations (www.csagroup.org)

1.3 Acronyms

CFB	Canadian Forces Base
CSA	Canadian Standards Association
DND	Department of National Defence

1.4 Intent

DND currently has a number of temperature and humidity controlled environmental chambers for pre-conditioning laboratory samples for testing under specific conditions. These chambers, which are located both at the Munitions and Experimental Test Centre (METC), CFB Valcartier, and the Quality Engineering Test Establishment (QETE), Gatineau, Quebec, have reached end of life and require replacement. The intent of this procurement is to replace the existing environmental chambers at these locations including installation and set-to-work.

2. REQUIREMENTS

2.1 Operational Performance Requirements

The Environmental Chambers must:

- (a) Maintain the set temperature as follows:
 - i. Temperature Range: -65°C to +175°C;
 - ii. Stability at the Set Temperature: ±0.5°C, and
 - iii. Chamber Temperature Uniformity: ±1.0°C;
- (b) Maintain the set relative humidity as follows:

-
- iii. Humidity Range: 10% to 98%;
 - iv. Stability at the Set Humidity: $\pm 3\%$; and
 - v. Chamber Humidity Uniformity: $\pm 3\%$;
- (c) Have a heating/cooling capacity as follows:
- i. Cool an empty chamber from $+85^{\circ}\text{C}$ to -40°C in 60 minutes or less; and
 - ii. Heat an empty chamber from -40°C to $+85^{\circ}\text{C}$ in 30 minutes or less;
- (d) Have safety controls as follows:
- i. Automatically stop heating when the high temperature limit set by the operator is reached; and
 - ii. Automatically stop cooling when the low temperature limit set by the operator is reached;
- (e) Not include any of the following materials:
- i. Substances listed in Schedule I of the Canadian Prohibition of Certain Toxic Substances Regulations; and
 - ii. Hazardous material in accordance with the Canadian Hazardous Products Act including polychlorinated biphenyls, asbestos and heavy metals (i.e., mercury);
- (f) Include refrigerant that is compliant with the federal halocarbon regulations specified in the Canadian Environmental Protection Act;
- (g) Comply with the relevant sections of the Canadian Occupational Health and Safety Regulations; and
- (h) Be certified for use in accordance with CSA C22.1:21 Canadian Electrical Code, Part I, or equivalent.

2.2 Technical Requirements

The Environmental Chambers must:

- (a) Have maximum exterior dimensions including the exterior handle, windows and control panel, but not including the external water tank (if equipped), as follows:
- i. Width: 120 cm (47.24 in);
 - ii. Depth (Door Closed): 150 cm (59.1 in);
 - iii. Depth (Door Open): 230 cm (90.6 in); and
 - iv. Height: 210 cm (82.7 in);
- (b) Have minimum interior dimensions as follows:
- i. Width: 55 cm (21.7 in);
 - ii. Depth: 75 cm (29.5 in); and
 - iii. Height: 80 cm (31.5 in);
- (c) Have an interior as follows:
- i. All surfaces (e.g., door, walls, floor, top, etc.) manufactured from stainless steel with thermal expansion joints as required to ensure continuity in the interior enclosure;
 - ii. Support minimum 150 kg (330 lbs) evenly distributed on the floor;
 - iii. Include two (2) adjustable height stainless steel shelves with a capacity of minimum 40 kg (88 lbs) each;
 - iv. Include a light with a switch on the exterior of the chamber; and

- v. Include minimum one (1) hand access port with a diameter of 7.5-10 cm (3-5 in);
- (d) Have a heating/humidity control system as follows:
- i. Include a user-programmable interface for setting temperature and humidity parameters that is the most current version with a full end-user license that is not time limited. A back-up copy of the software is to be provided on CD/DV/USB;
 - ii. Include a water purification and recirculation system that utilizes an external water supply tank and pump system that does not require connection to a building water supply line or a drain;
 - iii. Include an automatic system to drain the water generated by the humidity system when the set-point is 0°C or lower;
 - iv. Utilize stainless steel evaporation coils with a defrost system to prevent ice accumulation on the coils; and
 - v. Automatically eliminate condensation on the window(s) of the chamber that does not require the use of a wiper;
- (e) Have an electrical system as follows:
- i. Operate on 208/230 VDC 3 Phase 60 Hz via a 50/60 amp circuit breaker; and
 - ii. Have easy access to the electrical hook-up location to permit DND technicians to complete wiring installation.

ANNEX C: BID REQUIREMENTS AND EVALUATION PLAN

1.0 GENERAL

1.1. Purpose

This document outlines the bid evaluation process for the Environmental Chambers.

1.2. Instructions

Bidders will be assessed in accordance with the criteria detailed in this document. Mandatory requirements are identified by the word "must". All mandatory requirements must be met. In the Compliance Matrix (Table 1), the Bidder must indicate compliance (Yes/No) for each item and provide a reference (e.g., page number, section, etc.) in the bid where information pertaining to compliance can be found. Note that by circling "No" to any one compliance item may result in the bid being deemed non-compliant and given no further consideration.

2.0 BID DOCUMENTATION

2.1 Proposal Requirements

The Bidder must provide the following documentation:

- (a) A completed Compliance Matrix including proof of compliance and Written Confirmations as specified in Table 1. For the purposes of this Request For Proposal, by circling the compliance "Yes" for each item in Table 1, the Bidder guarantees it will fully comply with the requirement identified in the "Requirement" column of Table 1; and
- (b) Documentation provided with the bid as proof of compliance may include any or all of the following:
 - i. A system brochure that details the components and operating characteristics of the system;
 - ii. The system Operator's Manual;
 - iii. The system Maintenance Manual;
 - iv. Drawing or schematic which clearly depicts the product's dimensions and scale; and
 - v. Any additional documentation that provides product information;

2.2 Test Results

Where Test Results are required as part of the Proof of Compliance, they must:

- (a) Be for the model offered or be for a previous model which the model offered is based upon, and include a detailed explanation why the results are valid for the model offered; and
- (b) Be signed on each page by the technical authority that completed the testing.

Note: Test results may include the test data and summary, or just the summary confirming the system passed the tests.

3.0 EVALUATION APPROACH

3.1 Stage I - Technical Evaluation

DND will assemble a Technical Evaluation Team (that may include Contractors) who will evaluate the proposals in accordance with the Mandatory Requirements in Table 1. The evaluation will be conducted on the supplied information only. All mandatory criteria must be met or the bid submission will be deemed non-compliant. Failure to provide sufficient detail in the bid submission to evaluate the proposal against the mandatory criteria will also deem the bid non-compliant. Even if a bid fails to meet as few as one mandatory criterion that bid will be non-compliant and will be given no further consideration.

3.2 Stage II - Determination of Lowest Cost Compliant

The Contract Authority will assess the financial submissions. The bid proposal that will be recommended for contract award will be the one that:

- (a) Is compliant with the Mandatory Requirements at Table 1; and
- (b) Is the lowest cost.

4.0 MANDATORY REQUIREMENTS

Table 1: Compliance Matrix

Item #	Annex B Ref.	Requirement	Proof of Compliance	Compliant (Circle One)	Bid Reference
1	N/A	The Bidder must be an environmental chamber manufacturer (or authorized distributor) that has been in the business of developing, manufacturing and/or selling environmental chambers for a minimum of five (5) years.	The Bidder must provide detailed business experience that demonstrates they have been in the business of developing , manufacturing and/or selling environmental chambers for a minimum of five (5) years. Where the Bidder is not the manufacturer, the business experience from the manufacturer may be used as proof of compliance.	Yes / No	
2	N/A	The environmental chambers must be a commercial-off-the-shelf (COTS) product that is currently in production and in use by a laboratory for the purpose of pre-conditioning samples for	The Bidder must provide contract numbers, award dates, models and quantities delivered that demonstrate the sales as specified.	Yes / No	

		testing. In order to demonstrate this, the Bidder must have sold a minimum of five (5) of the environmental chambers being offered to a laboratory or other organization for use in a similar role as intended by DND.	Where the Bidder is not the manufacturer, the sales information from the manufacturer may be used as proof of compliance.		
OPERATIONAL PERFORMANCE REQUIREMENTS					
3	2.1(a)	The Environmental Chambers must maintain the set temperature as follows: i. Temperature Range: -65°C to +175°C; ii. Stability at the Set Temperature: ±0.5°C; and iii. Chamber Temperature Uniformity: ±1.0°C;	The Bidder must provide results of performance tests that confirm the Environmental Chambers maintain the set temperature as specified in Section 2.1(a) of Annex B. Results may be from in-house tests or from a third party test facility.	Yes / No	
4	2.1(b)	The Environmental Chambers must maintain the set relative humidity as follows: i. Humidity Range: 10% to 98%; ii. Stability at the Set Humidity: ±3%; and iii. Chamber Humidity Uniformity: ±3%;	The Bidder must provide results of performance tests that confirm the Environmental Chambers maintain the set relative humidity as specified in Section 2.1(b) of Annex B. Results may be from in-house tests or from a third party test facility.	Yes / No	
5	2.1(c)	The Environmental Chambers must have a heating/cooling capacity as follows: i. Cool an empty chamber from +85°C to -40°C in 60 minutes or less; and ii. Heat an empty chamber from -40°C to +85°C in 30 minutes or less;	The Bidder must provide results of performance tests that confirm the Environmental Chambers have a heating/cooling capacity as specified in Section 2.1(c) of Annex B. Results may be from in-house tests or from a third party test facility.	Yes / No	
6	2.1(d)	The Environmental Chambers must have safety controls as follows: i. Automatically stop	The Bidder must provide technical data, including that specified in Section 2.1(b) of this Annex, and any other documentation	Yes / No	

		<p>heating when the high temperature limit set by the operator is reached; and</p> <p>ii. Automatically stop cooling when the low temperature limit set by the operator is reached;</p>	<p>that is required, to confirm that the Environmental Chambers have safety controls as specified in Section 2.1(d) of Annex B.</p>		
7	2.1(e)	<p>The Environmental Chambers must not include any of the following materials:</p> <p>i. Substances listed in Schedule I of the Canadian Prohibition of Certain Toxic Substances Regulations; and</p> <p>ii. Hazardous material in accordance with the Canadian Hazardous Products Act including polychlorinated biphenyls, asbestos and heavy metals (i.e., mercury);</p>	<p>The Bidder must provide written confirmation by circling “Yes” that the Environmental Chambers do not include any of the materials specified in Section 2.1(e) of Annex B.</p>	Yes / No	
8	2.1(f)	<p>The Environmental Chambers must include refrigerant that is compliant with the federal halocarbon regulations specified in the Canadian Environmental Protection Act;</p>	<p>The Bidder must provide written confirmation by circling “Yes” that the Environmental Chambers utilize a refrigerant that is compliant with the federal halocarbon regulations as specified in Section 2.1(f) of Annex B.</p>	Yes / No	
9	2.1(g)	<p>The Environmental Chambers must comply with the relevant sections of the Canadian Occupational Health and Safety Regulations;</p>	<p>The Bidder must provide written confirmation by circling “Yes” that the Environmental Chambers comply with the relevant sections of the Canadian Occupational Health and Safety Regulations.</p>	Yes / No	
10	2.1(h)	<p>The Environmental Chambers must be certified for use in accordance with CSA C22.1:21 Canadian Electrical Code, Part I, or</p>	<p>The Bidder must provide written confirmation by circling “Yes” that the Environmental Chambers are certified for use in</p>	Yes / No	

		equivalent.	accordance with CSA C22.1:21 Canadian Electrical Code, Part I, or equivalent.		
TECHNICAL REQUIREMENTS					
11	2.2(a)	The Environmental Chambers must have maximum exterior dimensions including the exterior handle, windows and control panel, but not including the external water tank (if equipped), as follows: i. Width: 120 cm (47.24 in); ii. Depth (Door Closed): 150 cm (59.1 in); iii. Depth (Door Open): 230 cm (90.6 in); and iv. Height: 210 cm (82.7 in);	The Bidder must provide technical data, including that specified in Section 2.1(b) of this Annex, and any other documentation that is required, to confirm that the Environmental Chambers have maximum exterior dimensions as specified in Section 2.2(a) of Annex B.	Yes / No	
12	2.2(b)	The Environmental Chambers must have minimum interior dimensions as follows: i. Width: 55 cm (21.7 in); ii. Depth: 75 cm (29.5 in); and iii. Height: 80 cm (31.5 in);	The Bidder must provide technical data, including that specified in Section 2.1(b) of this Annex, and any other documentation that is required, to confirm that the Environmental Chambers have minimum interior dimensions as specified in Section 2.2(b) of Annex B.	Yes / No	
13	2.2(c)	The Environmental Chambers must have an interior as follows: i. All surfaces (e.g., door, walls, floor, top, etc.) manufactured from stainless steel with thermal expansion joints as required to ensure continuity in the interior enclosure; ii. Support minimum 150 kg (330 lbs) evenly distributed on the	The Bidder must provide technical data, including that specified in Section 2.1(b) of this Annex, and any other documentation that is required, to confirm that the Environmental Chambers have an interior with the features specified in Section 2.2(c) of Annex B.	Yes / No	

		<ul style="list-style-type: none"> iii. floor; Include two (2) adjustable height stainless steel shelves with a capacity of minimum 40 kg (88 lbs) each; iv. Include a light with a switch on the exterior of the chamber; and v. Include minimum one (1) hand access port with a diameter of 7.5-10 cm (3-5 in); 			
14	2.2(d)	<p>The Environmental Chambers must have a heating/humidity control system as follows:</p> <ul style="list-style-type: none"> i. Include a user-programmable interface for setting temperature and humidity parameters that is the most current version with a full end-user license that is not time limited. A back-up copy of the software is to be provided on CD/DV/USB; ii. Include a water purification and recirculation system that utilizes an external water supply tank and pump system that does not require connection to a building water supply line or a drain; iii. Include an automatic system to drain the water generated by the humidity system when the set-point is 0°C or lower; iv. Utilize stainless steel evaporation coils with a defrost system to 	<p>The Bidder must provide technical data, including that specified in Section 2.1(b) of this Annex, and any other documentation that is required, to confirm that the Environmental Chambers have a heating/humidity control system as specified in Section 2.2(d) of Annex B.</p>	Yes / No	

		<p>v. prevent ice accumulation on the coils; and Automatically eliminate condensation on the window(s) of the chamber that does not require the use of a wiper;</p>			
15	2.2(e)	<p>The Environmental Chambers must have an electrical system as follows:</p> <ul style="list-style-type: none"> i. Operate on 208/230 VDC 3 Phase 60 Hz via a 50/60 amp circuit breaker; and ii. Have easy access to the electrical hook-up location to permit DND technicians to complete wiring installation. 	<p>The Bidder must provide technical data, including that specified in Section 2.1(b) of this Annex, and any other documentation that is required, to confirm that the Environmental Chambers have an electrical system as specified in Section 2.2(e) of Annex B.</p>	Yes / No	

ANNEX D: PRICING SCHEDULE

Bidders are required to provide a price for each line item indicated. If a price is left blank it will be interpreted as an offered price of \$0.00. If a price of an item is included in another item, this should be indicated by noting "Price of this item is included in item xx. (Insert item number)" If there is not an applicable Price for an item, this should be indicated as "N/A". The prices must be indicated in compliance with the Basis of Payment at para 6.6.1.

With the exception of the quantities for the initial procurement, the estimates of levels of effort and quantities for optional procurements are only estimations made in good faith and are not to be considered in any way as commitment from Canada.

Prices: Bidder must provide firm unit prices Delivery Duty Paid (DDP) – Valcartier

Table 1: Initial Requirement

Description	Reference	Unit Cost	Qty/Unit	Extended Cost
Environmental Chamber	Annex A and Annex B	\$	2 EA	\$
Training	Annex A Section 2.1	\$	2 EA	\$
Technical Data Package	Annex A Section 2.2	\$	1 EA	\$
Delivery/Installation	Annex A Section 3.1	\$	1 EA	\$
Sub-Total				\$
Applicable Taxes				\$
Total				\$

Table 2: Technical Support

Description	SOW Reference	Firm Hourly Rate *inclusive of Mark-up	Estimated Level of Effort	Extended Price
Technical Support	3.4	\$	40 hrs	\$
Sub-total				\$
Applicable Taxes				\$
Total				\$

Table 3: Optional Procurements – DDP Valcartier or Gatineau

Description	Reference	Qty/Unit	Unit Price 0-12 Months	Unit Price 13-24 Months	Unit Price 25-36 Months
Environmental Chamber	Annex A and Annex B	Up to 3 additional units	\$	\$	\$
Training	Annex A Section 2.1	Up to 3 additional units	\$	\$	\$
Technical Data Package	Annex A Section 2.2		\$	\$	\$
Delivery/Installation	Annex A Section 3.1		\$	\$	\$
			Sub-total A	Sub-total B	Sub-total C
			\$	\$	\$

Average Sub-Total = (Sub-Total A + Sub-Total B + Sub-Total C) / 3

Table 4: Technical Support

Description	SOW Reference	Firm Hourly Rate *inclusive of Mark-up	Estimated Level of Effort	Extended Price
Technical Support	3.4	\$	40 hrs	\$
Sub-total				\$
Applicable Taxes				\$
Total				\$

Table 5: Overall Evaluated Price – DDP Valcartier

Table 1: Sub-total	\$
Table 2: Sub-total	\$
Table 3: Average Sub-Total	\$
Table 4: Total before taxes	\$
Total Evaluated Price	\$

ANNEX E: ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts any of the following Electronic Payment Instrument(s):

- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);

APPENDIX 1 to PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit [Employment and Social Development Canada \(ESDC\)-Labour's](#) website.

Date: _____ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- A1. The Bidder certifies having no work force in Canada.
- A2. The Bidder certifies being a public sector employer.
- A3. The Bidder certifies being a federally regulated employer being subject to the Employment Equity Act.
- A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).
- A5. The Bidder has a combined workforce in Canada of 100 or more employees; and
 - A5.1. The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with ESDC-Labour.

OR

- A5.2. The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- B1. The Bidder is not a Joint Venture.

OR

- B2. The Bidder is a Joint Venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)