

Solicitation Cover Page

RETURN BIDS TO:

Agriculture and Agri-Food Canada

Address: Eastern Service Centre

Attention: Claudia Lauzier

Email: aaafc.escprocurement-cseapprovisionnement.aac@agr.gc.ca

INVITATION TO TENDER

Proposal To: Agriculture and Agri-Food Canada

We hereby offer to sell to His Majesty the King in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods and service, and construction as listed herein and on any attached sheets at the price(s) set out therefore.

Comments:

Optional Site Visit :

Monday, December 18, 2023 at 10:00am (EST)

Vendor/Firm Name and Address:

Issuing Office

Agriculture and Agri-Food Canada
Eastern Service Centre

Title: Replacement of cold room (2) in building 46 - Sherbrooke Research and Development Centre	
Solicitation Number 01B46-23-199	Date of solicitation: 2023-12-07
Solicitation Closes: At: 2:00pm On: 2024-01-04	Time Zone: EST
Address Enquiries to: Name: Claudia Lauzier, Contract Specialist Email: claudia.lauzier@agr.gc.ca	
Telephone Number: 438-455-2392	FAX Number:
Destination of Goods, Services and Construction: Sherbrooke Research and Development Centre 2000, Collège Street Sherbrooke, QC J1M 0C8	
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.	
Delivery required:	Delivery offered:
Vendor/Firm Name and Address:	
Name and title of person authorized to sign on behalf of vendor/firm (type or print)	
Signature	
Date	

INVITATION TO TENDER

Replacement of cold rooms (2) in building 46
Sherbrooke Research and Development Centre
2000, College Street
Sherbrooke, QC J1M 0C8

IMPORTANT NOTICE TO BIDDERS

Note to Bidders, there will no Public Opening for the purposes of this solicitation. See SI07 for further Instructions.

SI03 Optional Site Visit has changed

LISTING OF SUBCONTRACTORS AND SUPPLIERS

Take note that R2710T, GI07 "Listing of Subcontractors and Suppliers" has been amended. See SI12 of the Special Instructions. **Failure to do so will result in the disqualification of its bid.**

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SPECIAL INSTRUCTIONS TO BIDDERS (SI)

SI01 BID DOCUMENTS

1. The following are the Bid Documents:
 - a. Invitation to Tender - Page 1;
 - b. Special Instructions to Bidders;
 - c. General Instructions - Construction Services - Bid Security Requirements R2710T (2021-04-01)
Delete: Subsection GI16 Performance Evaluation: in its entirety
Insert: GI16 intentionally left blank
Delete: point 3 in its entirety
 - d. Clauses & Conditions identified in "Contract Documents";
 - e. Specifications;
 - f. Bid and Acceptance Form and related Appendix(s); and
 - g. Any amendment issued prior to solicitation closing.

Submission of a bid constitutes acknowledgement that the Bidder has read and agrees to be bound by these documents.

2. General Instructions - Construction Services - Bid Security Requirements R2710T is incorporated by reference and is set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Works and Government Services Canada (PWGSC). The SACC Manual is available on the PWGSC Web site: <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>

SI02 ENQUIRIES DURING THE SOLICITATION PERIOD

1. Enquiries regarding this bid must be submitted in writing to the Contracting Authority named on the Invitation to Tender - Page 1 at e-mail address claudia.lauzier@agr.gc.ca Except for the approval of alternative materials as described in GI15 of R2710T, enquiries should be received no later than 5 business days prior to the date set for solicitation closing to allow sufficient time to provide a response. Enquiries received after that time may result in an answer NOT being provided.
2. To ensure consistency and quality of the information provided to Bidders, PWGSC will examine the content of the enquiry and will decide whether to issue an amendment.
3. All enquiries and other communications related to this bid sent throughout the solicitation period must be directed ONLY to the Contracting Authority named in paragraph 1 above. Failure to comply with this requirement may result in the bid being declared non-compliant.

SI03 OPTIONAL SITE VISIT

1. There will be a site visit on **Monday, December 18, 2023 at 10:00am (EST)**. Interested bidders are to meet at the Sherbrooke Research and Development Centre, 2000 Collège Street.

SI04 REVISION OF BID

Bids may be revised using the email address indicated on page 1 (cover page) of this invitation to tender (ITT) or using Canada Post Corporation (CPC) Connect service.

Section GI10 of R2710T is replaced by the following;

1. A bid submitted in accordance with these instructions may be revised, provided the revision is received through Canada Post Corporation's (CPC) Connect service, on or before the date and time set for the closing of the solicitation. The revision shall be on the Bidder's letterhead or bear a signature that identifies the Bidder.
 - a. The only acceptable email address to use with CPC Connect is: aafc.procbidreceiving-receptiondesoumissionaprov.aac@agr.gc.ca

2. A revision to a bid that includes unit prices must clearly identify the change(s) in the unit price(s) and the specific item(s) to which each change applies.
3. Multiple revisions to a bid must clearly identify the sequence of the revisions (i.e. Bid revision #1; Bid revision #2, etc.).
4. Failure to comply with any of the above provisions may result in the rejection of the non-compliant revision(s) only. The bid shall be evaluated based on the original bid submitted and all other compliant revision(s).
5. For revised bids transmitted by CPC Connect service, Canada will not be responsible for any failure attributable to the transmission or receipt of the bid including, but not limited to, the following:
 - i. receipt of a garbled, corrupted or incomplete bid;
 - ii. availability or condition of the CPC Connect service;
 - iii. incompatibility between the sending and receiving equipment;
 - iv. delay in transmission or receipt of the bid;
 - v. failure of the Bidder to properly identify the bid;
 - vi. illegibility of the bid;
 - vii. security of bid data; or,
 - viii. inability to create an electronic conversation through the CPC Connect service.

SI05 BID SECURITY REQUIREMENTS

R2710T - General Instructions - Construction Services - Bid Security Requirements is modified as follow:

Delete GI08.2 and replace with the following:

2. A bid bond (form PWGSC-TPSGC 504) shall be in an approved form, properly completed, with valid and enforceable signatures and sealed by the approved bonding company whose bonds are acceptable to Canada either at the time of solicitation closing or as identified in Treasury Board Appendix L, Acceptable Bonding Companies.
- 2.1 A bid bond may be submitted in an electronic format (Electronic Bonding (E-Bond)) if it meets the following criteria:
 - a. The version submitted by the Bidder must be an electronic encrypted file with embedded digital certificate verifiable by Canada with respect to the totality and wholeness of the bond form, including: the content; all digital signatures; all digital seals; with the Surety Company, or an approved verification service provider of the Surety Company.
 - b. The version submitted must be viewable, printable and storable in standard electronic file formats compatible with Canada, and in a single file, allowable format pdf.
 - c. The verification may be conducted by Canada immediately or at any time during the life of the Bond and at the discretion of Canada.
 - d. The results of the verification must provide a clear, immediate and printable indication of pass or fail regarding Item 2.1.a.
 - e. Submitting copies (**non-original, non-verifiable or scanned copy**) of signed and sealed bid bond are not acceptable. Failure to submit an original or verifiable bond will render the bid non-compliant. Non-compliant bids will be given no further consideration. A scanned copy of a bond does not constitute a digital bond.
- 2.2 Bonds failing the verification process will NOT be considered valid.
- 2.3 Bonds passing the verification process will be treated as original and authentic.

SI06 SUBMISSION OF BID

Bids can be submitted using the email address indicated on page 1 (cover page) of this invitation to tender (ITT) or using Canada Post Corporation (CPC) Connect service.

Section GI09 of R2710T is modified by the following:

Insert the following text under subparagraph 4.

5. Electronic Bid Submission by Canada Post Corporation (CPC) Connect service

- a. Unless specified otherwise in the bid solicitation, bids may be submitted by using the [Connect service](#) provided by Canada Post Corporation.

The only acceptable email address to use with CPC Connect for responses to bid solicitations issued by Agriculture and Agri-Food Canada is: aafc.procbidreceiving-receptiondesoumissionaprov.aac@agr.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open a CPC Connect conversation, as detailed in "c." below of this solicitation, or to send bids through a CPC Connect message if the bidder is using its own licensing agreement for CPC Connect service.

- b. To submit a bid using CPC Connect service, the Bidder must either:
- i. send directly its bid only to the specified AAFC Bid Receiving Unit, using its own licensing agreement for CPC Connect provided by Canada Post Corporation; or
 - ii. send as early as possible, and in any case, at least six business days prior to the solicitation closing date and time, (in order to ensure a response), an email that includes the bid solicitation number to the specified AAFC Bid Receiving Unit requesting to open a CPC Connect conversation. Requests to open a CPC Connect conversation received after that time may not be answered.
- c. If the Bidder sends an email requesting CPC Connect service to the specified AAFC Bid Receiving Unit in the bid solicitation, an officer of the AAFC Bid Receiving Unit will then initiate a CPC Connect conversation. The CPC Connect conversation will create an email notification from Canada Post Corporation prompting the Bidder to access and action the message within the conversation. The Bidder will then be able to transmit its bid afterward at any time prior to the solicitation closing date and time.
- d. If the Bidder is using its own licensing agreement to send its bid, the Bidder must keep the CPC Connect conversation open until at least 30 business days after the solicitation closing date and time.
- e. The bid solicitation number should be identified in the CPC Connect message field of all electronic transfers.
- f. It should be noted that the use of CPC Connect service requires a Canadian mailing address. Should a bidder not have a Canadian mailing address, they may use the AAFC Bid Receiving Unit address specified in the solicitation in order to register for the CPC Connect service.
- g. For bids transmitted by CPC Connect service, Canada will not be responsible for any failure attributable to the transmission or receipt of the bid including, but not limited to, the following:
- i. receipt of a garbled, corrupted or incomplete bid;
 - ii. availability or condition of the CPC Connect service;
 - iii. incompatibility between the sending and receiving equipment;
 - iv. delay in transmission or receipt of the bid;
 - v. failure of the Bidder to properly identify the bid;
 - vi. illegibility of the bid;
 - vii. security of bid data; or,
 - viii. inability to create an electronic conversation through the CPC Connect service.
- h. AAFC Bid Receiving Unit will send an acknowledgement of the receipt of bid document(s) via the CPC Connect conversation, regardless of whether the conversation was initiated by the supplier using its own license or AAFC Bid Receiving Unit. This acknowledgement will confirm only the receipt of bid document(s) and will not confirm if the attachments may be opened nor if the content is readable.
- i. Bidders must ensure that they are using the correct email address for the AAFC Bid Receiving Unit when initiating a conversation in CPC Connect or communicating with the AAFC Bid Receiving Unit and should not rely on the accuracy of copying and pasting the email address into the CPC Connect system.
- j. A bid transmitted by CPC Connect service constitutes the formal bid of the Bidder.
- k. Alternate arrangements of bid receipt can be made by contacting the Contracting Authority identified on page 1 of the solicitation package no later than one (1) business day prior to bid closing.

SI07 BID RESULTS

1. There will be no Public Opening for the purposes of this solicitation.
2. The responsive bid carrying the lowest price will be recommended for contract award.
3. Following solicitation closing, bid results may be obtained by e-mail a request to claudia.lauzier@agr.gc.ca.

SI08 INSUFFICIENT FUNDING

In the event that the lowest compliant bid exceeds the amount of funding allocated for the Work, Canada in its sole discretion may

- a. cancel the solicitation; or
- b. obtain additional funding and award the Contract to the Bidder submitting the lowest compliant bid.

SI09 BID VALIDITY PERIOD

1. Canada reserves the right to seek an extension to the bid validity period prescribed in BA04 of the Bid and Acceptance Form. Upon notification in writing from Canada, Bidders will have the option to either accept or reject the proposed extension.
2. If the extension referred to in paragraph 1. above is accepted, in writing, by all those who submitted bids, then Canada will continue immediately with the evaluation of the bids and its approvals processes.
3. If the extension referred to in paragraph 1. above is not accepted in writing by all those who submitted bids then Canada will, at its sole discretion, either
 - a. continue to evaluate the bids of those who have accepted the proposed extension and seek the necessary approvals; or
 - b. cancel the invitation to tender.
4. The provisions expressed herein do not in any manner limit Canada's rights in law or under GI11 of R2710T.

SI10 RIGHTS OF CANADA

1. Canada reserves the right to:
 - a. Reject any or all bids received in response to the bid solicitation;
 - b. Enter into negotiations with bidders on any or all aspects of their bids;
 - c. Accept any bid in whole or in part without negotiations;
 - d. Cancel the bid solicitation at any time;
 - e. Reissue the bid solicitation;
 - f. If no compliant bids are received and the requirement is not substantially modified, reissue the bid solicitation by inviting only the bidders who bid to resubmit bids within a period designated by Canada; and
 - g. Negotiate with the sole compliant Bidder to ensure best value to Canada.

SI11 SECURITY CLEARANCE REQUIREMENTS

There is no security requirement associated with the work. Contractor's employees will be escorted at all time during the work.

SI12 LISTING OF SUBCONTRACTORS AND SUPPLIERS

R2710T, GI07 has been amended to the following.

GI07 (2015-02-25) Listing of Subcontractors and Suppliers

The Bidder must submit the names of Subcontractors and Suppliers for the part or parts of the Work listed. See APPENDIX 2. **Failure to do so will result in the disqualification of its bid.**

SI13 BID CHALLENGE AND RECOURSE MECHANISMS

- (a) Several mechanisms are available to potential suppliers to challenge aspects of the procurement process up to and including contract award.
- (b) Canada encourages suppliers to first bring their concerns to the attention of the Contracting Authority. Canada's [Buy and Sell](#) website, under the heading "[Bid Challenge and Recourse Mechanisms](#)" contains information on potential complaint bodies such as:
- Office of the Procurement Ombudsman (OPO)
 - Canadian International Trade Tribunal (CITT)
- (c) Suppliers should note that there are **strict deadlines** for filing complaints, and the time periods vary depending on the complaint body in question. Suppliers should therefore act quickly when they want to challenge any aspect of the procurement process.

SI14 CONSTRUCTION DOCUMENTS

The successful Contractor will be provided (**with 1 electronic or paper copy**) of the sealed and signed drawings, the specifications and the amendments upon acceptance of the offer. Additional copies, up to a maximum (0), will be provided free of charge upon request by the Contractor. Obtaining more copies will be the responsibility of the Contractor including costs.

SI15 WEB SITES

The connection to some of the Web sites in the solicitation documents is established by the use of hyperlinks. The following is a list of the addresses of the Web sites:

Treasury Board Appendix L, Acceptable Bonding Companies
<http://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=14494§ion=text#appl>

Buy and Sell
<https://www.achatsetventes-buyandsell.gc.ca>

Canadian economic sanctions
<http://www.international.gc.ca/sanctions/index.aspx?lang=eng>

Bid Bond (form PWGSC-TPSGC 504)
<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/504.pdf>

Performance Bond (form PWGSC-TPSGC 505)
http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/505_eng.pdf

Labour and Material Payment Bond (form PWGWSC-TPSGC 506)
<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/506.pdf>

Standard Acquisition Clauses and Conditions (SACC) Manual
<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>

Declaration Form
<http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html>

Trade agreements

<https://buyandsell.gc.ca/policy-and-guidelines/Policy-and-Legal-Framework/Trade-Agreements>

R2710T GENERAL INSTRUCTIONS - CONSTRUCTION SERVICES - BID SECURITY REQUIREMENTS (GI) (2021-04-01)

The following GI's are included by reference and are available at the following Web Site

<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R/R2710T/23>

- GI01 Integrity Provisions - Bid
- GI02 Completion of Bid
- GI03 Identity or Legal Capacity of the Bidder
- GI04 Applicable Taxes
- GI05 Capital Development and Redevelopment Charges
- GI06 Registry and Pre-qualification of Floating Plant
- GI07 Listing of Subcontractors and Suppliers
- GI08 Bid Security Requirements
- GI09 Submission of Bid
- GI10 Revision of Bid
- GI11 Rejection of Bid
- GI12 Bid Costs
- GI13 Procurement Business Number
- GI14 Compliance with Applicable Laws
- GI15 Approval of Alternative Materials
- GI16 Performance Evaluation
- GI17 Conflict of Interest-Unfair Advantage
- GI18 Code of Conduct for Procurement—bid

CONTRACT DOCUMENTS (CD)

1. The following are the Contract Documents:
 - a. Contract Page when signed by Canada;
 - b. Duly completed Bid and Acceptance Form and any Appendices attached thereto;
 - c. Specifications;
 - d. General Conditions and clauses

GC1	General Provisions – Construction Services	R2810D	(2017-11-28);
Subsection GC1.22 Performance-evaluation: incorporated by reference above, is amended as follows:			
Delete: in its entirety			
Insert: GC1.22 Intentionally left blank.			
GC2	Administration of the Contract	R2820D	(2016-01-28);
GC3	Execution and Control of the Work	R2830D	(2019-11-28);
GC4	Protective Measures	R2840D	(2008-05-12);
GC5	Terms of Payment	R2850D	(2019-11-28);
GC6	Delays and Changes in the Work	R2860D	(2019-05-30);
GC7	Default, Suspension or Termination of Contract	R2870D	(2018-06-21);
GC8	Dispute Resolution	R2880D	(2019-11-28);
GC9	Contract Security	R2890D	(2018-06-21);
GC10	Insurance	R2900D	(2008-05-12);
	Allowable Costs for Contract Changes Under GC6.4.1	R2950D	(2015-02-25);
 - e. Supplementary Conditions
 - f. Any amendment issued or any allowable bid revision received before the date and time set for solicitation closing;
 - g. Any amendment incorporated by mutual agreement between Canada and the Contractor before acceptance of the bid; and
 - h. Any amendment or variation of the contract documents that is made in accordance with the General Conditions.
2. The documents identified by title, number and date above are incorporated by reference and are set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Works and Government Services Canada (PWGSC). The SACC Manual is available on the PWGSC Web site:
<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>
3. The language of the contract documents is the language of the Bid and Acceptance Form submitted.

SUPPLEMENTARY CONDITIONS (SC)

SC01 SECURITY CLEARANCE REQUIREMENTS, DOCUMENT SAFEGUARDING

There is no document security requirement applicable to this Contract.

SC02 LIMITATION OF LIABILITY

GC1.6 of R2810D is deleted and replaced with the following:

GC1.6 Indemnification by the Contractor

1. The Contractor shall indemnify and save Canada harmless from and against all claims, demands, losses, costs, damages, actions, suits, or proceedings whether in respect to losses suffered by Canada or in respect of claims by any third party, brought or prosecuted and in any manner based upon, arising out of, related to, occasioned by, or attributable to the activities of the Contractor in performing the Work, provided such claims are caused by the negligent or deliberate acts or omissions of the Contractor, or those for whom it is responsible at law.

The Contractor's obligation to indemnify Canada for losses related to first party liability shall be limited to:

- a. In respect to each loss for which insurance is to be provided pursuant to the insurance requirements of the Contract, the Commercial General Liability insurance limit for one occurrence as referred to in the insurance requirements of the Contract
 - b. In respect to losses for which insurance is not required to be provided in accordance with the insurance requirements of the Contract, the greater of the Contract Amount or \$5,000,000, but in no event shall the sum be greater than \$20,000,000.
2. The limitation of this obligation shall be exclusive of interest and all legal costs and shall not apply to any infringement of intellectual property rights or any breach of warranty obligations.
 3. The Contractor's obligation to indemnify Canada for losses related to third party liability shall have no limitation and shall include the complete costs of defending any legal action by a third party. If requested by Canada, the Contractor shall defend Canada against any third party claims.
 4. The Contractor shall pay all royalties and patent fees required for the performance of the Contract and, at the Contractor's expense, shall defend all claims, actions or proceedings against Canada charging or claiming that the Work or any part thereof provided or furnished by the Contractor to Canada infringes any patent, industrial design, copyright trademark, trade secret or other proprietary right enforceable in Canada.
 5. Notice in writing of a claim shall be given within a reasonable time after the facts, upon which such claim is based, became known.

SC03 INSURANCE TERMS

1) Insurance Contracts

- (a) The Contractor must, at the Contractor's expense, obtain and maintain insurance contracts in accordance with the requirements of the Certificate of Insurance. Coverage must be placed with an Insurer licensed to carry out business in Canada.
- (b) Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract. The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.

2) Period of Insurance

- (a) The policies required in the Certificate of Insurance must be in force from the date of contract award and be maintained throughout the duration of the Contract.
- (b) The Contractor must be responsible to provide and maintain coverage for Products/Completed Operations hazards on its Commercial General Liability insurance policy, for a period of six (6) years beyond the date of the Certificate of Substantial Performance.

3) Proof of Insurance

- (a) Before commencement of the Work, and no later than thirty (30) days after contract award, the Contractor must deposit with Canada a Certificate of Insurance on the form attached herein.
- (b) Upon request by Canada, the Contractor must provide originals or certified true copies of all contracts of insurance maintained by the Contractor pursuant to the Certificate of Insurance.

4) Insurance Proceeds

In the event of a claim, the Contractor must, without delay, do such things and execute such documents as are necessary to effect payment of the proceeds.

5) Deductible

The payment of monies up to the deductible amount made in satisfaction of a claim must be borne by the Contractor.

SC04 TYPES AND AMOUNTS OF CONTRACT SECURITY

Remove and Replace GC9.2.2. with the following

A performance bond (form PWGSC-TPSGC 505) and a labour and material payment bond (form PWGSC-TPSGC 506) referred to in subparagraph 1)(a) of GC9.2 shall be in a form and be issued by a bonding or surety company (see Treasury Board Appendix L, Acceptable Bonding Companies) that is approved by Canada. They can be in the form of Signed and Sealed paper version OR electronic digital version.

Electronic digital versions must meet the following;

1. A performance bond and a labour and material payment bond may be submitted in an electronic or digital format if it meets the following criteria:
 - 1.1. The versions submitted by the Contractor must be verifiable by Canada with respect to the totality and wholeness of the bonds form, including: the content; all digital signatures; all digital seals; with the Surety Company, or an approved verification service provider of the Surety Company.
 - 1.2. The versions submitted must be viewable, printable and storable in standard electronic file formats compatible with Canada, and in a single file. Allowable formats include pdf.
 - 1.3. The verification may be conducted by Canada immediately or at any time during the life of the bonds and at the discretion of Canada with no requirement for passwords or fees.
 - 1.4. The results of the verification must provide a clear, immediate and printable indication of pass or fail regarding Item 1.1.

Bonds failing the verification process will NOT be considered to be valid.

SPECIFICATIONS

Statement of work

Project title: Building 46 – Installation of two cold rooms

Context

Agriculture and Agri-Food Canada's Sherbrooke Research and Development Centre (Sherbrooke RDC), located at 2000 Collège Street in Sherbrooke, is soliciting bids for the purchase, installation and commissioning of two cold rooms capable of operating at low temperatures (-20°C) and medium temperatures (4°C).

1 GENERAL

1.1 The Contractor and its subcontractors must comply with the following:

- 1.1.01 National Building Code (NBC), latest version
- 1.1.02 National Plumbing Code (NPC), latest version
- 1.1.03 any other standards applicable to this site

1.2 The Contractor must provide the skilled labour required to perform the work in this scope of work.

1.3 Work schedule and business continuity

- 1.3.01 The work must be carried out during the day, Monday to Friday from 7:30 a.m. to 4:30 p.m.

1.4 Site safety

- 1.4.01 The Contractor is responsible for the health and safety of its employees and subcontractors and must put in place the necessary measures to ensure this. The Contractor must have a working-at-heights program in accordance with the Occupational Health and Safety Act (OHSA).

1.5 Use of premises and site access

- 1.5.01 The Contractor must be accompanied at all times by an AAFC employee or a Commissionaire provided by AAFC.
- 1.5.02 The Contractor may make unrestricted use of AAFC employee parking spaces, at no cost.
- 1.5.03 AAFC is not responsible for any materials left by the Contractor on the job site. No lock-up space will be provided by AAFC.

2 SCOPE OF WORK

- 2.1 Install compressor/condensing units in the mechanical room on a new rack provided by the Contractor
- 2.2 Deconstruct the existing wood and plywood division in warehouse 104
- 2.3 Install two adjoining de 3,66 x 3,01 x 2,43 m (12 x 10 x 8 ft) cold rooms with door and lighting
 - 2.3.01 The Contractor will be responsible for providing measurements that accurately describe the dedicated space.
- 2.4 Install two separate refrigeration/freezer circuits
 - 2.4.01 Provide evaporators in each cold room
 - 2.4.02 Provide refrigeration connections
 - 2.4.03 Provide installation and electrical connections
- 2.5 Install controls
 - 2.5.01 Must include a BACnet TCP/IP output
 - 2.5.01.1 AAFC is responsible for the TCP/IP connection and programming in the AAFC building management system.
 - 2.5.02 Must include a NC dry contact for alarms
 - 2.5.02.1 AAFC is responsible for the electrical connection and programming in the AAFC monitoring system.
- 2.6 Provide configuration and commissioning
- 2.7 Dismantle the old cold rooms, including electrical, plumbing, and compressor units. AAFC will be responsible for decommissioning the refrigeration/freezer systems.
- 2.8 AAFC will advise the Contractor of the parts it wishes to keep.
- 2.9 Dispose of the remaining waste
- 2.10 Provide an instruction manual for the refrigeration system
 - 2.10.01 List of components and shop drawings
 - 2.10.02 Operating manual for the major components
 - 2.10.03 Appropriate charts for the refrigerants
 - 2.10.04 AAFC will complete the halocarbon inventory reports for the dismantled equipment and for the new equipment.

3 DELIVERY, STORAGE AND HANDLING

3.1 The Contractor must propose a delivery and installation schedule to the Project Authority within one week of contract award.

3.1.01 If applicable, the Contractor will be required to identify anticipated service cuts in Building 46.

3.2 Installation and commissioning must be completed by March 31, 2024.

4 TECHNICAL SPECIFICATIONS

4.1 COLD ROOMS

4.1.01 Dimensions:

4.1.01.1 Interior height: 2337 mm (92 in)

4.1.01.2 Width: 3658 mm (144 in)

4.1.01.3 Depth: 3048 mm (120 in)

4.1.02 Wall and ceiling panels:

4.1.02.1 Polyurethane insulation

4.1.02.2 Thermal resistance: minimum R28

4.1.02.3 Thickness: 102 mm (4 in)

4.1.02.4 Finish: white pre-painted steel

4.1.02.5 Steel gauge: 24 or better

4.1.02.6 Cam system integrated in the panels with seals

4.1.03 Floor:

4.1.03.1 Galvanized steel: minimum 18 gauge

4.1.03.2 Injected polyurethane panels

4.1.03.3 102 mm (4 in) insulated floor for the freezing room;

4.1.03.4 25,4 mm (1 in) spacers

4.1.03.5 Anti-slip surface

4.1.04 Door and frame

4.1.04.1 Hinged doors

- 4.1.04.2 Minimum opening: 914,4 mm (36 in) inside
- 4.1.04.3 White pre-painted steel
- 4.1.04.4 Steel gauge: 18 minimum
- 4.1.04.5 Injected polyurethane thermal insulation
- 4.1.04.6 914,4 mm (36 in) high stainless steel protective plate
- 4.1.04.7 Pedals for hands-free access
- 4.1.04.8 Defrosting system for framing and integrated door
- 4.1.04.9 Non-slip metal ramp with a height of 101.6 mm (4 in) for the freezing chamber;

4.1.05 Lighting

- 4.1.05.1 LED lighting
- 4.1.05.2 Minimum 2,8 Lumen / m² (30 lumens / ft²) at any point on the floor

4.2 COOLING SYSTEM

- 4.2.01 Refrigeration system capable of operating at low temperature (-20°C) and medium temperature (4°C):
 - 4.2.01.1 Uses a refrigerant with a Global Warming Potential (GWP) of less than 1500
 - 4.2.01.2 Uses low-toxicity refrigerant that does not require additional detection/alarm or ventilation systems
 - 4.2.01.3 High-efficiency electronically commutated motor (ECM)
 - 4.2.01.4 Air-cooled condenser
 - 4.2.01.5 Compressor/condensing unit installed in mechanical room
 - 4.2.01.6 Available power supply: 120/208/600 V, 1 or 3 phases
 - 4.2.01.7 Evaporator installed in the room

5 EXECUTION

5.1 DECONSTRUCTION

5.1.01 Deconstruction of the plywood dividing wall used as a storage area

5.1.02 Deconstruction of all wood structures (shelving, door, etc.) in the storage area

5.1.03 Dismantling of existing electrical systems in the storage area

5.1.04 The electrical components may be recycled for wiring the new rooms.

5.1.05 Dispose of the materials as directed by AAFC.

5.1.06 AAFC will be responsible for the deconstruction waste.

5.2 INSTALLATION

5.2.01 Install equipment according to the manufacturers' instructions.

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2.

BID AND ACCEPTANCE FORM (BA)

BA01 IDENTIFICATION

Replacement of cold rooms (2) in building 46 - Sherbrooke Research and Development Centre

BA02 LEGAL NAME AND ADDRESS OF BIDDER

Legal Name:					
Operating Name (if any):					
Address:					
Telephone:		Fax:		PBN:	
E-mail address:					
Contract Security Program Organisation Number (when required)					

BA03 THE OFFER

The Bidder offers to Canada to perform and complete the Work for the above named project in accordance with the Bid Documents for the Total Bid Amount of

\$ _____ excluding Applicable Tax(s).
(amount in numbers)

BA04 BID VALIDITY PERIOD

The bid must not be withdrawn for a period of 60 days following the date of solicitation closing.

BA05 ACCEPTANCE AND CONTRACT

Upon acceptance of the Bidder's offer by Canada, a binding Contract will be formed between Canada and the Bidder. The documents forming the Contract will be the Contract Documents identified in "Contract Documents (CD)" section.

BA06 CONSTRUCTION TIME

The Contractor must perform and complete the Work no later than March 31, 2024.

BA07 BID SECURITY

The Bidder must enclose bid security with its bid in accordance with GI08 - Bid Security Requirements of R2710T - General Instructions - Construction Services - Bid Security Requirements.

BA08 SIGNATURE

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Name and title of person authorized to sign on behalf of Bidder (Type or print)

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Signature

--

Date

APPENDIX 2 - LISTING OF SUBCONTRACTORS AND SUPPLIERS

The Bidder must submit the list of Subcontractors and Suppliers for any division of the Work as listed in the table below. If "own forces" of the General Contractor are planned to be used to execute certain division(s) of work it must also be indicated in the table below.

	Subcontractor and Suppliers	Division
1		
2		
3		
4		

ANNEX A - CERTIFICATE OF INSURANCE
(Not required at solicitation closing)

CERTIFICATE OF INSURANCE



Travaux publics et
Services gouvernementaux
Canada

Public Works and
Government Services
Canada

Description and Location of Work	Contract No.
	Project No.

Name of Insurer, Broker or Agent	Address (No., Street)	City	Province	Postal Code
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Name of Insured (Contractor)	Address (No., Street)	City	Province	Postal Code
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Additional Insured
His Majesty the King in right of Canada as represented by the Minister of Public Works and Government Services

Type of Insurance	Insurer Name and Policy Number	Inception Date D / M / Y	Expiry Date D / M / Y	Limits of Liability		
				Per Occurrence	Annual General Aggregate	Completed Operations Aggregate
Commercial General Liability Umbrella/Excess Liability				\$	\$	\$
Builder's Risk / Installation Floater				\$		
Pollution Liability				\$ <input type="checkbox"/> Per Incident <input type="checkbox"/> Per Occurrence		Aggregate \$
Marine Liability				\$		
Aviation Liability				\$ <input type="checkbox"/> Per Incident <input type="checkbox"/> Per Occurrence		Aggregate \$
Insert other type of insurance as required				\$		

I certify that the above policies were issued by insurers in the course of their Insurance business in Canada, are currently in force and include the applicable insurance coverage's stated on page 2 of this Certificate of Insurance, including advance notice of cancellation / reduction in coverage.

Name of person authorized to sign on behalf of Insurer(s) (Officer, Agent, Broker)

Telephone number

Signature

Date D / M / Y

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General

The insurance policies required on page 1 of the Certificate of Insurance must be in force and must include the insurance coverage listed under the corresponding type of insurance on this page.

The policies must insure the Contractor and must include His Majesty the King in right of Canada as represented by the Minister of Public Works and Government Services as an additional Insured.

The Policy shall be endorsed to provide the Owner with not less than 30 days' notice in writing in advance of any cancellation or change or amendment restricting coverage.

Without increasing the limit of liability, the policies must protect all insured parties to the full extent of coverage provided. Further, the policies must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.

Commercial General Liability

The insurance coverage provided must not be substantially less than that provided by the latest edition of IBC Form 2100.

The policy must either include or be endorsed to include coverage for the following exposures or hazards if the Work is subject thereto:

- (a) Blasting.
- (b) Pile driving and caisson work.
- (c) Underpinning.
- (d) Removal or weakening of support of any structure or land whether such support be natural or otherwise if the work is performed by the insured contractor.
- (e) Damage to existing structure

The policy must have the following minimum limits:

- (a) **\$5,000,000** Each Occurrence Limit;
- (b) **\$10,000,000** General Aggregate Limit per policy year if the policy contains a General Aggregate; and
- (c) **\$5,000,000** Products/Completed Operations Aggregate Limit.

Umbrella or excess liability insurance may be used to achieve the required limits.