

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
**Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada**
Cabot Place, Phase II
Box 4600
St. John's, NL
A1C 5T2
Bid Fax: (709) 772-4603

REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

**Proposal To: Public Works and Government
Services 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, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux 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, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet Reach- in Growth Chamber	
Solicitation No. - N° de l'invitation 01800-140141/A	Date 2013-08-27
Client Reference No. - N° de référence du client 01800-140141	
GETS Reference No. - N° de référence de SEAG PW-\$XAQ-021-5944	
File No. - N° de dossier XAQ-3-36092 (021)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-10-07	Time Zone Fuseau horaire Newfoundland Daylight Saving Time NDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Manning, Rhonda	Buyer Id - Id de l'acheteur xaq021
Telephone No. - N° de téléphone (709) 772-8057 ()	FAX No. - N° de FAX (709) 772-4603
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF AGRICULTURE AND AGRI-FOOD RESEARCH CENTER BLDG 25, 308 BROOKFIELD RD. ST JOHNS Newfoundland and Labrador A1E6J5 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

PWGSC / TPGSC - Nfld. Region
Cabot Place, Phase II, 6th Floor
Box 4600
St. John's, NL
A1C 5T2

Delivery Required - Livraison exigée See Herein	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

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PART 1 - GENERAL INFORMATION**1. Security Requirement**

There is no security requirement associated with this bid solicitation.

2. Requirement

The requirement is detailed under Annex "A" Requirement, of the resulting contract clauses.

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 of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS

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 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2. Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five (5) 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 questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

4. Applicable Laws

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

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

1. Bid Preparation Instructions

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

Section I: Technical Bid (2 hard copies)
Section II: Financial Bid (1 hard copy)
Section III: Certifications (1 hard 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 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

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 in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

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 will evaluate the bids.

1.1 Technical Evaluation

1.1.1 Mandatory Technical Criteria

To be deemed responsive, offerors **must** meet the following. Failure to do so will render bid non-compliant.

- Please check accordingly:

(A) Meets **all** specifications and conditions stated in Annex "A", Requirement:

Met _____ Not Met _____

(B) Detailed specification sheet to be included with bid of the unit proposed:

Met _____ Not Met _____

1.2 Financial Evaluation

SACC Manual Clause A0222T (2013-04-25), Evaluation of Price

2. Basis of Selection

2.1 Basis of Selection - Mandatory Technical Criteria

SACC Manual clauses A0031T (2010-08-16) Basis of Selection - Mandatory Technical Criteria

PART 5 - CERTIFICATIONS

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

The certifications provided by bidders to Canada are subject to verification by Canada at all times. 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 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 with this request will also render the bid non-responsive or will constitute a default under the Contract.

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

1.2 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 (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from Human Resources and Skills Development Canada (HRSDC) - Labour's website.

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.

2. Additional Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the

Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement applicable to this Contract.

2. Requirement

Agriculture and Agri- Food Canada require the purchase of a Reach- In Growth Chamber, as per the detailed Statement of Work at Annex "A".

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>) issued by Public Works and Government Services Canada.

3.1 General Conditions

2010A (2013-04-25) General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

4. Term of Contract

4.1 Delivery Date

Delivery is requested on or before November 4, 2013. Please provide best possible delivery date:

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Rhonda Manning
A/ Contracting Officer
Public Works and Government Services Canada
Acquisitions Branch, Atlantic Region
Science, Services and Marine
The John Cabot Building, 10 Barters Hill,
PO Box 4600, St. John's, NL, A1C 5T2

Telephone: (709) 772-8057

Facsimile: (709) 772-4603

E-mail address: rhonda.manning@pwgsc.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.

5.2 Project Authority (Completed at Contract Award)

The Project Authority for the Contract is:

Name: _____

Title : _____

Organization: _____

Address: _____

Telephone: ____ ____ _____

Facsimile: ____ ____ _____

E-mail: _____

The Project Authority 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 Project Authority, however the Project 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.

5.3 Contractor's Representative (To be completed by offeror with bid submission)

Name: _____

Title : _____

Organization: _____

Address: _____

Telephone: _____

Facsimile: _____

E-mail: _____

6. Payment**6.1 Basis of Payment**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be a firm price, as specified in Annex "A " for a cost of \$ _____ (inserted at contract award). Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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.

6.2 Single Payment

SACC Manual clause H1000C (2008-05-12) Single Payment

7. Invoicing Instructions

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.

Invoices must be distributed as follows:

A. The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

B. One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities " of the Contract.

8. Certifications

8.1 Compliance

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation 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.

9. Applicable Laws

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

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 (2013-04-25) General Conditions- Goods (Medium Complexity);
- (c) Annex "A", Requirement;
- (d) Annex "B", Basis of Payment;
- (e) Annex "C", Information for Code of Conduct Certification;
- (f) the Contractor's bid dated _____ (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award: ", as clarified on _____" or ", as amended on _____" and insert date(s) of clarification(s) or amendment(s)*)

11. SACC Manual Clauses

SACC Manual Clauses B7500C (2006-06-16) Excess Goods

ANNEX "A"

REQUIREMENT

Specifications for Reach-In Growth Chamber Quotes

Mandatory requirements

- Delivered to Research Centre, 308 Brookfield Road, St. John's, Newfoundland and Labrador
- Shipped fully assembled and able to fit through standard (209.5 cm x 170.18 cm) doorways
- Two copies of operator's manual
- Right hand control panel

Control System

- ❖ must be a robust industrial grade control system that is designed specifically for plant growth chambers and rooms and which must have an intuitive touch screen interface which is reliable, flexible and user friendly.
- ❖ Programming must be capable of storing at least 12 real-time user-entered programs each containing at least 40 lines with one minute resolution. Each program should define a single 24-hour period. Programs must be entered into a "Schedule" (a sequence of at least 6 program entries) to create a single day, multi day, or seasonal schedule. Programs must be entered via a high resolution touch-screen display. Set Point Transitions must have a user option for selecting set-point transitions in either RAMP mode or STEP mode for temperature. Data Logging and Graphing must be available at the local display screen including main chamber variables temperature, humidity and lighting. Parameters must be all logged automatically at least every 20 seconds and viewed in the form of Trend graphs. The data available remotely must be more substantial including every input and output parameter being monitored and controlled. Data must be automatically logged at least every 20 seconds regardless of the number of parameters.
- ❖ Alarms must be audible and colour-coded visual alarms. There must be user-settable absolute alarms for all controlled processes and user-settable process tracking alarms for temperature are available for the user to determine how tightly they want to monitor the experiment. "Built in" alarms must be available for chamber component monitoring. Alarm history must be logged to daily text files easily retrievable from any Ethernet connected computer or through the local control screen. The controller must be shipped communications-ready.

Construction

- ❖ Exterior Dimensions: maximum 240 cm high x 107 cm wide x 305 cm long, with a removable extended growth height attachment to allow passage through doorways)
- ❖ Floor: Perforated aluminum channel floor for uniform upward air flow.
- ❖ Growth Area: a minimum of 1.5m²
- ❖ Growth Capacity: at least 2000 litres
- ❖ Growth Height: a minimum of 1750 mm from floor to lights
- ❖ Cabinet Construction: Bonded panelling using CFC-free insulation
- ❖ Exterior Finish: enamel baked on patterned aluminum.
- ❖ Interior Finish: Reflective white enamel baked on smooth aluminum.

- ❖ Drain Pan: 22 gauge stainless steel drain pan under the entire growth area, sloped the full length toward the machine compartment and a drain fitting with an external drain tube.
- ❖ Condensing Unit Access: Easy access to compressor and refrigeration components through an exterior panel on the end of the chamber.
- ❖ Doors: Two reach-in doors with keyed magnetic locks
- ❖ Observation Window: Dual pane with light tight cover
- ❖ Control Panel: right hand
- ❖ Instrument Ports: Two ports, 25mm with light tight caps.
- ❖ Electrical 2-amp receptacle located within growth area.
- ❖ Factory assembled, tested and fully crated.

Lighting

- ❖ Intensity: minimum 875 micromoles/m²/s
- ❖ Programming and Control: must be independent, 4 level programming of each light type.
- ❖ Lamps: Balanced spectrum for plant growth using T8 fluorescent and halogen incandescent lamps.
- ❖ Lamp Fixture: Counterbalanced for adjustable light intensities
- ❖ Lamp Heat: Removed by refrigeration system.
- ❖ Ballasts: High efficiency electronic.
- ❖ Light Meter: Quantum light meter for display and recording of light output.

Temperature Control:

- ❖ Minimum Range: +4°C to +35°C range with lights OFF, +10°C to +35°C with lights ON.
- ❖ Control: within ±0.5°C, at control point.
- ❖ Temperature Safety Limits:
 - Primary: A programmable min and max temperature or a limit tracking alarm that automatically follows the programmed set point.
 - Secondary: An independent factory-set high and low temperature limit must also be provided.
 - Audible alarms must be included based on user-defined limits.
 - A continuous sample of chamber air must be directed over remote sensors for accurate controlling and recording, unaffected by lamp radiation.

Refrigeration:

- ❖ Condensing Unit: Cabinet must be supplied with a water-cooled condensing unit with hot gas bypass system for continuous compressor operation and close temperature control.
- ❖ Refrigerant: Condensing unit must be charged with CFC-free refrigerant.
- ❖ Monitoring: Refrigeration system operation must be monitored by control system, including visual and audible alarm. Pressure transducers must allow for real-time diagnostics for preventative maintenance and repair.

Air Flow: Vertical uniform upward through floor.

Fresh Air: Filtered inlet and adjustable exhaust.

Humidity Control: Spray Nozzle Humidification: Range must be up to 90% RH lights OFF and 85% RH lights ON. Additive humidity through use of spray nozzles must control humidity to within ±3% RH.

Utility Requirements:

- ❖ Electrical Service: 60Hz: 120/208-3Ø-60Hz-4 wire plus ground
- ❖ Must provide CSA-C product certification to both UL and CSA Standards by CSA International, or an equivalent Nationally Recognized Testing Laboratory (NRTL), for use in Canada.

Desirable Criteria

- A 24-hour manned service phone to facilitate any repair emergency.
- Control system logged data accessible by a network-connected PC or an internet-enabled PC.

Solicitation No. - N° de l'invitation

01800-140141/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

xaq021

Client Ref. No. - N° de réf. du client

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

01800-140141

XAQ-3-36092

ANNEX "B"
BASIS OF PAYMENT

- Goods to be delivered FOB destination.
- The Bidder must provide individual prices for each item and/or destination. Failure to do so will render bid non- responsive.
- Applicable taxes are not to be included in pricing.

Item / Destination	Unit of Issue	Pricing Per Unit	Extended Pricing
Reach-In Growth Chamber as per specifications listed in Annex "A" Requirement.	1 Each	\$ _____	\$ _____
Shipping FOB Destination to: Agriculture and Agri-Food Canada 308 Brookfield Road St. John's, NL A1E 0B2	1 Lot	\$ _____	\$ _____
		Total (Excluding Taxes):	\$ _____

ANNEX "C"
INFORMATION REQUIRED FOR CODE OF CONDUCT CERTIFICATION

[MUST BE COMPLETED BY OFFEROR WITH BID SUBMISSION]

Please provide list of names of the following entities, according to the ownership nature of the company

1. For a Corporation - each current member of the Bidder's Board of Directors;

2. For a Partnership, General Partnership or Limited Partnership - the names of all current partners;

3. For a Sole Proprietorship or an individual doing business under a firm name - the name
of the sole proprietor or individual;

4. For a Joint Venture - the names of all current members of the Joint venture;

5. For an individual - the full name of the person
