



## 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, 2nd Floor

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

### 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, 2nd Floor

Box 4600

St. John's, NL

A1C 5T2

<b>Title - Sujet</b> Agri Cnd - Anerobic Chamber System	
<b>Solicitation No. - N° de l'invitation</b> 01800-190615/B	<b>Date</b> 2019-01-08
<b>Client Reference No. - N° de référence du client</b> 01800-190615	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$XAQ-040-7240	
<b>File No. - N° de dossier</b> XAQ-8-41140 (040)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2019-01-24</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Newfoundland Standard Time NST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Connolly, Carolyn	<b>Buyer Id - Id de l'acheteur</b> xaq040
<b>Telephone No. - N° de téléphone</b> (709) 772-5396 ( )	<b>FAX No. - N° de FAX</b> (709) 772-4603
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> 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

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

**This bid solicitation cancels and supersedes previous bid solicitation number 01800-190615/A dated 02 November 2018 with a closing of 17 December 2018 at 2:00 PM NST. A debriefing or feedback session will be provided upon request to bidders/offerors/suppliers who bid on the previous solicitation.**

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## **PART 1 - GENERAL INFORMATION**

### **1.1 Requirement**

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

### **1.2 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.

### **1.3 epost Connect service**

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information."

## **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) (<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](#) (2018-05-22) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: 90 days

### **2.2 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.

Carolyn Connolly BA, MA  
Supply Specialist  
Public Services and Procurement Canada  
The John Cabot Building  
10 Barter's Hill, St. John's, NL A1C 5T2

or

Electronic submissions may be sent to:

PWGSC Bid Receiving Unit in Newfoundland and Labrador:  
[TPSGC.RARceptionSoumissionsTNL-ARBidReceivingNL.PWGSC@tpsgc-pwgsc.gc.ca](mailto:TPSGC.RARceptionSoumissionsTNL-ARBidReceivingNL.PWGSC@tpsgc-pwgsc.gc.ca).

**NOTE: Bids/Offer will be not be accepted if emailed directly to this email address. This email is to initiate an ePost Connect conversation, as detailed in the Standard Instructions.**

or

Facsimile submissions may be faxed to :

(709) 772-4603

### **2.3 Enquiries - Bid Solicitation**

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

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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 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**

### **3.1 Bid Preparation Instructions**

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. Bidders must provide their bid in a single transmission. The epost Connect service has the capacity to receive multiple documents, up to 1GB per individual attachment.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid  
Section II: Financial Bid  
Section III: Certifications  
Section IV: Additional Information

- If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its 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)

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

- If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

Canada requests that bidders follow the format instructions described below in the preparation of hard copy 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.

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## **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.

### **3.1.1 Electronic Payment of Invoices – Bid**

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

If Annex “B” 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.

## **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 will evaluate the bids.

#### **4.1.1 Technical Evaluation**

##### **4.1.1.1 Mandatory Technical Criteria**

**Important:** To be deemed responsive, bidders must meet the mandatory technical criteria. It is not acceptable to simply say your proposed product(s) meets each of the mandates. In a technical bid document, bidders must demonstrate how their product(s) meet each of the following:

**- Please check (X) accordingly:**

- Ability to provide the goods as described in Annex "A".  
Met \_\_\_\_\_ Not Met \_\_\_\_\_

#### **4.1.2 Financial Evaluation**

*SACC Manual* Clause A0220T (2014-06-26), Evaluation of Price – Bid

### **4.2 Basis of Selection**

#### **4.2.1 Basis of Selection – Mandatory Technical Criteria**

*SACC Manual* Clause A0031T (2010-08-16), Basis of Selection – Mandatory Technical Criteria



## **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 specified otherwise, 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 section titled Information to be provided when bidding, contracting or entering into a real procurement agreement of 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](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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.

## **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 the Contract.

### **6.2 Requirement**

The Contractor must provide the items detailed under the "Requirement" 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](#) (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

### **6.4 Term of Contract**

#### **6.4.1 Delivery Date**

All the deliverables must be received on or before 29 March 2019.

#### **6.4.2 Delivery Points**

Delivery of the requirement will be made to delivery point specified at Annex "A" of the Contract.

### **6.5 Authorities**

#### **6.5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Carolyn Connolly  
Supply Specialist  
Public Works and Government Services Canada  
Acquisitions Branch, Atlantic Region  
Science, Professional Services and Marine  
The John Cabot Building, 10 Barter's Hill  
P.O. Box 4600, St. John's, NL A1C 5T2

Telephone: (709) 772-5396

Facsimile: (709) 772-4603

E-mail address: [carolyn.connolly@pwgsc.gc.ca](mailto:carolyn.connolly@pwgsc.gc.ca)

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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 Project Authority

The Project Authority for the Contract will be named at Contract award.

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.

### 6.5.3 Contractor's Representative [Must be completed by offeror with bid submission]

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_ \_

Facsimile: \_\_\_\_ \_

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, as specified in Annex "A" Pricing 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.

### 6.6.2 Limitation of Price

SACC Manual clause C6000C (2011-05-16) Limitation of Price

### 6.6.3 Single Payment

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

#### **6.6.4 Electronic Payment of Invoices – Contract**

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

- a. Visa Acquisition Card ( ) ;
- b. MasterCard Acquisition Card ( ) ;
- c. Direct Deposit (Domestic and International) ( ) ;
- d. Electronic Data Interchange (EDI) ( ) ;
- e. Wire Transfer (International Only) ( ) ;

#### **6.7 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.

#### **6.8 Certifications and Additional Information**

##### **6.8.1 Compliance**

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period 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 Newfoundland and Labrador.

#### **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 (2018-06-21) General Conditions: Goods (Medium Complexity);
- (c) Annex "A", Requirement/Pricing;
- (d) Annex "B", Electronic Payment Instruments;
- (e) Annex "C", Integrity Provisions;
- (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)*)

## ANNEX "A" REQUIREMENT/PRICING

### **Requirement:**

Agriculture and Agri-Food Canada requires one (1) anaerobic chamber system to support research programs at the St. John's Research and Development Centre of Agriculture and Agri-Food Canada. The anaerobic chamber system will be used to:

- Provide a controlled environment for the growth and maintenance of microbial cultures in agar plates within a sealed jar.
- Provide a controlled environment for scientific experiments with microbial communities in soil containers within a sealed jar.
- Record all environmental parameters within the jar for later retrieval.

A detailed specification is attached and forms part of this annex.

**IMPORTANT: In order to submit a bid, offerors must read/understand and be able to meet all the specifications listed in the attached Specification document, which forms part of this annex. In a technical bid document, bidders must demonstrate how their product meets the required specification.**

Goods to be delivered FOB Destination to:

Agriculture and Agri-Food Canada  
308 Brookfield Road  
St. John's, NL A1E 0B2

### **Pricing:**

- Please provide pricing for all line items. Failure to do so will deem bid non-responsive.
- Prices do not include applicable taxes.
- **IMPORTANT NOTE TO BIDDERS:**  
**BIDDERS MUST COMPLETE THE UNIT PRICE TABLE BELOW. BIDDERS ARE NOT TO CREATE A SEPARATE PRICING TABLE. FAILURE TO COMPLETE THE PROVIDED UNIT PRICE TABLE WILL RENDER BID NON-COMPLIANT AND NO FURTHER CONSIDERATION WILL BE GIVEN.**

Item #	Description	Quantity	Unit Price (Excluding HST)	Total Price (Excluding HST)
1	Anaerobic chamber system, as per the attached specification, which forms part of this annex.	1 Unit	\$	\$
2	Delivery FOB Destination: Agriculture and Agri-Food Canada 308 Brookfield Road St. John's, NL A1E 0B2	1 Lot	\$	\$
			<b>Total:</b>	<b>\$</b>

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**ANNEX "B"**  
**ELECTRONIC PAYMENT INSTRUMENTS**

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

- ☐ ( ) VISA Acquisition Card;
- ☐ ( ) MasterCard Acquisition Card;
- ☐ ( ) Direct Deposit (Domestic and International);
- ☐ ( ) Electronic Data Interchange (EDI);
- ☐ ( ) Wire Transfer (International Only).

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**ANNEX "C"**  
**INTEGRITY PROVISIONS – LIST OF NAMES**

**[MUST BE COMPLETED BY OFFEROR WITH BID SUBMISSION]**

The Integrity Provision of General Conditions 2010 requires that bidders supply the following:

List of Names

- (a) Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder. Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s). Bidders bidding as societies, firms, or partnerships do not need to provide lists of names.
- (b) If the required list of names has not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to provide the names within the time frame specified will render the bid non-responsive. Providing the required names is a mandatory requirement for contract award.
- (c) The Bidder must immediately inform Canada in writing of any changes affecting the list of names of directors during this procurement process.

**Complete Legal Name of Company** \_\_\_\_\_

**PBN** \_\_\_\_\_

**List of names of the current Board of Directors or Owners:**

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### Specifications for anaerobic chamber system

One anaerobic chamber system has been approved for purchase to support research programs at the St. John's Research and Development Centre of Agriculture and Agri-Food Canada. The anaerobic chamber system will be used to:

- Provide a controlled environment for the growth and maintenance of microbial cultures in agar plates within a sealed jar
- Provide a controlled environment for scientific experiments with microbial communities in soil containers within a sealed jar
- Record all environmental parameters within the jar for later retrieval

This equipment must meet the following minimum specifications:

1. Timeframe and Delivery – The equipment and all accessories, components, and documentation included in the bid must be received on-site at the St. John's Research and Development Centre (308 Brookfield Road, St. John's, Newfoundland and Labrador, Canada A1E 0B2) on or before March 29, 2019.
2. Physical and Technical Specifications
  - **Anaerobic chamber system:** must use the McIntosh and Fildes system of evacuation and replacement to create anaerobic, microaerophilic, or capnophilic and hypoxic environments to cultivate bacteria in jars using a reliable automated evacuation/replacement method with gas mixtures within 0.5% of the required value using a quality assurance software program. The system must have three gas line connections and one jar connection, and a dedicated system microprocessor.
  - **Software:** the system must have a gas mixture recipe generating program designed for the system microprocessor. The system must have a track and trace data entry and data interface program for transfer to computers.
  - **Printer:** a dedicated thermal printer compatible with the system microprocessor.
  - **Jars:** two stainless steel petri dish holders to hold 36 plates (10 cm) for use with two anaerobic jars holding 36 – (10 cm) petri plates; two stainless steel petri dish holders to hold 6 plates (10 cm) for use with one anaerobic jar holding 12 – (10 cm) petri plates; two stainless steel petri dish holders to hold 12 plates (10 cm) for use with one anaerobic jar holding 24 – (10 cm) petri plates.
  - **Electrical requirements:** 120V AC single phase supply; must provide CSA-C product certification to CSA standards by CSA International, or an equivalent Nationally Recognized Testing Laboratory (NRTL) for use in Canada.
  - **Other requirements:** operating and service manual, parts manual. Recording of environmental parameters within the jar for later retrieval. One "jar maintenance toolkit". One Halamid jar cleaner and disinfectant.