



## RETURN BIDS TO:

## RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government  
Services Canada/Réception des  
soumissions/Travaux publics et Services  
gouvernementaux Canada

See herein for bid submission

instructions/

Voir la présente pour les

instructions sur la présentation

d'une soumission

NA

Manitoba

## 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**

Public Works and Government Services Canada - Western  
Region

Victory Building/Édifice Victory

Room 310/pièce 310

269 Main Street/269 rue Main

Winnipeg

Manitoba

R3C 1B3

<b>Title - Sujet</b> Solid State Fermentation System	
<b>Solicitation No. - N° de l'invitation</b> 31029-210706/C	<b>Date</b> 2021-02-10
<b>Client Reference No. - N° de référence du client</b> 31029-210706	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$WPG-015-11167	
<b>File No. - N° de dossier</b> WPG-0-43093 (015)	<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> Central Standard Time CST <b>on - le 2021-02-23</b> Heure Normale du Centre HNC	
<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> Klassen, Chaz	<b>Buyer Id - Id de l'acheteur</b> wpg015
<b>Telephone No. - N° de téléphone</b> (204) 296-6920 ( )	<b>FAX No. - N° de FAX</b> (418) 566-6167
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> NATIONAL RESEARCH COUNCIL CANADA 110 GYMNASIUM PLACE SASKATOON Saskatchewan S7N0W9 Canada	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b> See Herein – Voir ci-inclus	<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>

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Solicitation No. - N° de l'invitation  
31029-210706/A  
Client Ref. No. - N° de réf. du client  
31029-210706

Amd. No. - N° de la modif.  
File No. - N° du dossier  
STN-0-43093

Buyer ID - Id de l'acheteur  
stn190  
CCC No./N° CCC - FMS No./N° VME

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## PART 1 - GENERAL INFORMATION

### 1.1 Requirement

The requirement is detailed under Article 6.2 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 Canadian Content

The requirement is subject to a preference for Canadian goods.

### 1.4 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>) 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 (2020-05-28) 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: 120 days

### 2.2 Submission of Bids

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

#### **PWGSC Western Region Bid Receiving Unit**

Suppliers are strongly encouraged to submit bids electronically using the Canada Post epost Connect application for the subject bid solicitation. The Bidder must send an email requesting to open an epost Connect conversation to the following address:

[roreceptionSoumissions.wrbidreceiving@tpsgc-pwgsc.gc.ca](mailto:roreceptionSoumissions.wrbidreceiving@tpsgc-pwgsc.gc.ca)

**Note:** Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions 2003, or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

It is the Bidder's responsibility to ensure the request for opening an epost Connect conversation is sent to the email address above at least six days before the solicitation closing date.

Faxed bids will be accepted at 1-418-566-6167.

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Hard copy (submitted in person or via mail/courier) bids will not be accepted for the subject bid solicitation.

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

All enquiries must be submitted in writing to the Contracting Authority no later than 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 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 Manitoba.

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.

### **2.5 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.

## **PART 3 - BID PREPARATION INSTRUCTIONS**

### **3.1 Bid Preparation Instructions**

The Bidder are encouraged to submit its bid electronically in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

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

Section I: Technical Bid

Section II: Financial Bid

Section III: Certifications

Bids transmitted by facsimile or hardcopy will not be accepted.

#### **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 “C” Electronic Payment Instruments, to identify which ones are accepted.

If Annex “C” 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

#### **Section III: Certifications**

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

## **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

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### **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.
- (c) The evaluation team will determine first if there are two or more bids with a valid Canadian Content certification. In that event, the evaluation process will be limited to the bids with the certification; otherwise, all bids will be evaluated. If some of the bids with a valid certification are declared non-responsive, or are withdrawn, and less than two responsive bids with a valid certification remain, the evaluation will continue among those bids with a valid certification. If all bids with a valid certification are subsequently declared non-responsive, or are withdrawn, then all the other bids received will be evaluated.

#### **4.1.1 Technical Evaluation**

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

To be considered responsive, a bid must meet all the specifications in Annex "A". Failure to meet the specifications in Annex "A" will render your submission non-responsive and it will be given no further consideration.

#### **4.1.2 Financial Evaluation**

The extended price for line items 1, 2, 3 and 4 in Annex B Basis of Payment will be added together to arrive at the Evaluated Price.

*SACC Manual* Clause [A0222T](#) (2014-06-26), Evaluation of Price

### **4.2 Basis of Selection**

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

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 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.

#### **5.1.2 Additional Certifications Required with the Bid**

##### **5.1.2.1 Canadian Content Certification**

This procurement is conditionally limited to Canadian goods.

Subject to the evaluation procedures contained in the bid solicitation, bidders acknowledge that only bids with a certification that the good(s) offered are Canadian goods, as defined in clause [A3050T](#), may be considered.

Failure to provide this certification completed with the bid will result in the good(s) offered being treated as non-Canadian goods.

The Bidder certifies that:

(       ) the good(s) offered are Canadian goods as defined in paragraph 1 of clause [A3050T](#).

**5.1.2.1.1** *SACC Manual* clause [A3050T](#) (2020-07-01) Canadian Content Definition

### **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.

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### **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 property agreement of the Ineligibility and Suspension Policy (<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 (<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.

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### 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>) issued by Public Works and Government Services Canada.

#### 6.3.1 General Conditions

2010A (2020-05-28), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

### 6.4 Term of Contract

The period of the Contract is from date of Contract to August 1, 2021 inclusive.

#### 6.4.1 Delivery Date

All the deliverables must be received on or before May 1 2021.

#### 6.4.2 Delivery Points

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

### 6.5 Authorities

#### 6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Chaz Klassen  
Title: Procurement Specialist  
Public Works and Government Services Canada  
Acquisitions Branch  
Address: 310-269 Main Street  
Winnipeg MB R3C 1B3  
Telephone: 204-297-6920  
E-mail address: [chaz.klassen@pwgsc-tpsgc.gc.ca](mailto:chaz.klassen@pwgsc-tpsgc.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: TBD

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**

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

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

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 firm unit prices, as specified in Annex B for a cost of \$ \_\_\_\_\_. 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 Single Payment**

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

### **6.6.3 SACC Manual Clauses**

*SACC Manual* clause D0018C (2007-11-30) Delivery and Unloading

### **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);
- f. 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 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

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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.

SACC Manual clause A3060C (2008-05-12) Canadian Content Certification

### 6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in \_\_\_\_\_ (*insert the name of the province or territory as specified by the Bidder in its bid, if applicable*).

### 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 (2020-05-28), Goods (Medium Complexity);
- (c) Annex A Requirement;
- (d) Annex B, Basis of Payment
- (e) 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)*)

### 6.11 SACC Manual Clauses

SACC Manual clause A9068C (2010-01-11) Government Site Regulations

SACC Manual clause G1005C (2016-01-28) Insurance - No Specific Requirement

### 6.12 Dispute Resolution

- (a) The parties agree to maintain open and honest communication about the Work throughout and after the performance of the contract.
- (b) The parties agree to consult and co-operate with each other in the furtherance of the contract and promptly notify the other party or parties and attempt to resolve problems or differences that may arise.
- (c) If the parties cannot resolve a dispute through consultation and cooperation, the parties agree to consult a neutral third party offering alternative dispute resolution services to attempt to address the dispute.
- (d) Options of alternative dispute resolution services can be found on Canada's Buy and Sell website

## **ANNEX "A" - REQUIREMENT**

To supply, install and provide training for a Solid State Fermentation (SSF) system, for National Research Council, Saskatoon, SK, in accordance with the Specifications detailed in Annex A. Delivery is requested by May 1, 2021.

### **Background:**

The National Research Council of Canada (NRC) wants to undertake research in the area of food processing development. One key component in undertaking this research is a Solid State Fermentation (SSF) system. A SSF system is required to develop capacity in this critical technology for the food processing sector. As there is a lack of laboratory scale equipment and expertise in the local ecosystem, NRC has an opportunity to offer a test bed for the development of fermented value added products and development of food processing enzymes. The instrument required is for laboratory scale fermentation.

The Solid State vessel must be constructed of autoclavable glass, with a head plate constructed of stainless steel. The stainless steel head plate must contain the ports and/or fittings for vessel additions. The stainless steel head plate must contain the mounting point for the impeller shaft and drive motor.

This procurement is for a single vessel Solid State Fermentation system. The Solid State Fermentation vessel shall have a maximum working volume of 5 Liters.

The Solid State fermentation vessel will be used as an experimental instrument. Therefore, the degree of rotation required to optimize growth conditions will depend on substrate and bacterial/fungal culture used. The solid state fermentation vessel will also be required to tilt to 120 degrees to assist with vessel content harvest

Inputs for O<sub>2</sub>, N<sub>2</sub>, and Air are required, as well as the ability to supply 4 individual vessels.

Holding temperature of 121 degrees C is sufficient.

The liquid pump is required to allow the controller to be expandable for liquid fermentation vessels in the future. This procurement is only for a single Solid State fermentation vessel and no liquid fermentation accessories are required at this time.

### **Delivery Point:**

National Research Council  
110 Gymnasium Place  
Saskatoon, SK  
S7N 0W9

Refer to the Compliance Matrix for the complete performance specifications and instructions that must be satisfied in order for a bid to be deemed responsive.

## **COMPLIANCE MATRIX – MINIMUM MANDATORY PERFORMANCE SPECIFICATIONS**

### **Instructions to Bidders**

1. A complete list of the mandatory evaluation criteria are detailed in the Compliance Matrix below.
2. Bids which fail to meet all of the mandatory evaluation criteria will be declared non-responsive.
3. Bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they meet each mandatory evaluation criteria. Bidder should demonstrate their capability in a thorough, concise and clear manner.
4. The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation or stating, without any substantiating information, that a bidder is compliant will not be sufficient.
5. Substantiating information may include, but is not limited to, specification sheets, technical brochures, photographs or illustrations. If published supporting technical documentation is not available, the Bidder should prepare a written narrative complete with a detailed explanation of how its bid demonstrates technical compliance. All substantiating information should be provided with the bid at solicitation closing date. It is the Bidders responsibility to ensure that the submitted supporting technical documentation provides detail to demonstrate that the proposed product(s) meet the requirements of the evaluation criteria.
6. If the supporting documentation referenced above has not been provided at bid closing, the Contracting Authority will notify the Bidder that they must provide supporting documentation within two (2) business days following notification. Failure to comply with the request of the Contracting Authority within that time period, will deem the bid non-responsive and the bid will be given no further consideration.
7. In order to facilitate the evaluation of the bid, Canada requests that bidders address and present the topics in the order of the evaluation criteria, and include a grid in their proposal, containing the information which demonstrates how the bidder meets each evaluation criteria. Alternatively, and to avoid any duplication, bidders may also refer to the different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.
8. Bidders must address any concerns with the performance specifications in written detail to the Contracting Authority before bid closing as outlined in the Request for Proposal (RFP) document.

**COMPLIANCE MATRIX – MINIMUM MANDATORY PERFORMANCE SPECIFICATIONS:**

Requirement:	Manufacturer(s) Offered:	Model Number(s) Offered:
Solid State Fermentation (SSF) system		

Item #	Performance Specification	Status (M) Mandatory (D) Desirable*	Performance Specification Offered: Bidder should indicate	Cross Reference: In this column, Bidders should cross-reference where this performance specification is indicated in their supporting documents
			how they meet the performance specification by recording this information in this column	
1	The proposed system must offer a Tri-mode controller which can operate various fermentation vessels including Solid State, Jacketed, and Single vessels.	M		
2	The proposed system must maintain control of the chosen sample temperature during processing. Temperature regulation by a built-in heat exchanger and an external or internal chiller.	M		
3	The proposed system must have the flexibility to accommodate different vessels, with volume range from 0.5 to 20 litres. The Solid State fermentation vessel must have a minimum volume of 5 litres and a maximum of 20 litres.	M		
4	The proposed system must offer gas mass flow control with maximum of four controllers in one gas mixing station.	M		
5	The proposed system must have the ability for upgrading to offer remote control monitoring for minimum of 10 systems.	M		
6	The proposed system must have the ability for upgrading to offer Cell-density monitoring. The cell density equipment is not included in this purchase.	M		
7	The proposed system must allow Solid State Fermentation vessel to be	M		

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31029-210706/A  
Client Ref. No. - N° de réf. du client  
31029-210706

Amd. No. - N° de la modif.  
File No. - N° du dossier  
STN-0-43093

Buyer ID - Id de l'acheteur  
stn190  
CCC No./N° CCC - FMS No./N° VME

	rotated from 0° - 90°, as well as 120° for harvesting.			
8	The proposed system must include a sterilization function of the fermentation vessel and substrate.	M		
9	The proposed system must offer a minimum of 4 peristaltic pumps to supply vessel additions.	M		
10	The proposed system must offer after sales support and maintenance by vendors in-house service department. Support may also include: travel by vendor to on-site location for repair, availability of parts for user installation, technical support, and availability of optional vessel types and probes for future considerations.	M		
11	Technical documentation: The Solid State Fermentation system must include at least one operating manual in English upon delivery.	M		
12	Training: The Contractor must also include on-site or on-line training of 2-3 operators. The training will last approximately 1 to 2 days.	M		

### ANNEX "B" – BASIS OF PAYMENT

(All prices are GST extra, FOB Destination)

It is **MANDATORY** that Bidders submit firm prices for the period of the proposed Contract for all items listed hereafter. This section, when completed, will be considered as the Bidder's financial proposal.

- Bidders MUST provide bids as per unit of issue requested. It is the responsibility of the bidder to provide conversion to the unit of issue requested. Failure to do so will render the bid non-responsive without further consideration.
- Should there be an error in the extended pricing of the Bidder's proposal, the unit pricing shall prevail and the extended pricing shall be corrected in the evaluation. Any errors in the quantities of the Bidder's proposal shall be changed to reflect the quantities stated in the RFP.
- Rates quoted must remain firm for the period of the Contract. Rates MUST include ALL costs associated with providing the goods and/or services in accordance with the Requirement, Annex "A" attached herein. GST, if applicable, is to be shown as a separate item on any resulting invoice. Payment will be made in accordance with the following pricing. All prices are firm unit prices exclusive of any applicable taxes.
- All Firm Unit/lot Prices are in Canadian Dollars (CAD)
- Firm unit/lot Prices are FOB destination and must include all delivery and off-loading charges.

Item No	Description	Quantity	Unit of Issue	Unit Price	Extended Price
1	Solid State Fermentation in accordance with the Specifications detailed in Annex A, excluding installation and training	1	each	\$	\$
2	Installation	1	lot	\$	\$
3	Training on system use	1	lot	\$	\$
4	Shipping and Handling	1	lot	\$	\$
5	Total				\$

While delivery is requested by March 1, 2021, the best delivery that could be offered is\_\_\_\_\_.



## ANNEX “C” to PART 3 OF THE BID SOLICITATION

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### **ELECTRONIC PAYMENT INSTRUMENTS**

*As indicated in Part 3, clause 3.1.2, the Bidder must identify which electronic payment instruments they are willing to accept for payment of invoices.*

The Bidder accepts 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);
- ☐ Large Value Transfer