



**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**

<b>Title - Sujet</b> Long Read DNA Sequencer	
<b>Solicitation No. - N° de l'invitation</b> 5K003-200676/A	<b>Date</b> 2020-11-18
<b>Client Reference No. - N° de référence du client</b> 5K003-200676	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$WPG-015-11110	
<b>File No. - N° de dossier</b> WPG-0-43139 (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 2020-12-15</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) 297-6920 ( )	<b>FAX No. - N° de FAX</b> (204) 983-7796
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> CANADIAN GRAIN COMMISSION RCFFN 196 INNOVATION DRIVE WINNIPEG Manitoba R3T6C5 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**

Public Works and Government Services Canada - Western  
Region  
Victory Building/Édifrice Victory  
Room 310/pièce 310  
269 Main Street/269 rue Main  
Winnipeg  
Manitoba  
R3C 1B3

<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/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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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 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](#) (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: 90 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**

Only bids submitted using epost Connect service will be accepted. 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.

Bids transmitted by facsimile or hardcopy to PWGSC will not be accepted.

### 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 must 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.

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

#### **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

##### **3.1.3 SACC Manual Clauses**

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

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

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

### **4.1 Evaluation Procedures**

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.

(b) An evaluation team composed of representatives of Canada will evaluate the bids.

#### **4.1.1 Technical Evaluation**

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

- a) Compliance with meeting all of the mandatory specification requirements, as identified under Annex "A", Statement of Requirement and Appendix A - Compliance Matrix.
- b) Compliance and completion of Annex B – Basis of Payment.

#### **4.1.2 Financial Evaluation**

Bidders must submit their financial bid in accordance with Annex "B" - Basis of Payment. The extended prices will be aggregated to come up with the Total Evaluated Bid Price.

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

#### **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.

#### **5.2 Certifications Precedent to Contract Award and Additional Information**

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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 property 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 perform the Work in accordance with the Statement of Work at Annex "A".

### 6.3 Standard Clauses and Conditions

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

#### 6.3.1 General Conditions

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

Section 09 entitled *Warranty of general conditions 2010A* is amended by deleting subsection 2 in its entirety and replacing it with the following:

The Contractor must pay the transportation cost associated with returning the Work or any part of the Work to the Contractor's plant for replacement, repair or making good. The Contractor must also pay the

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transportation cost associated with forwarding the replacement or returning the Work or part of the Work when rectified to the delivery point specified in the Contract or to another location as directed by Canada. If, in the opinion of Canada, it is not expedient to remove the Work from its location, the Contractor must carry out any necessary repair or making good of the Work at that location. In such cases, the Contractor will be responsible for all Costs (including travel and living expenses) incurred in so doing, Canada will not reimburse these Costs. All of the provisions in the warranty section remain in effect

## **6.4 Term of Contract**

### **6.4.1 Period of Contract**

The period of the Contract is from date of Contract to March 31, 2023 inclusive.

### **6.4.2 Best Delivery Date - Bid**

While delivery is requested by March 31 2021, the best delivery that could be offered is\_\_\_\_(BIDDER TO COMPLETE\_)\_\_\_\_\_.

### **6.4.3 Delivery Points**

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

### **6.4.4 Optional Goods**

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

The Contracting Authority may exercise the option at any time before the expiry of the Contract by sending a written notice to the Contractor.

## **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  
Calgary, AB T2G 4X3  
Telephone: 204-297-6920  
E-mail address: 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 Project Authority (To be provided at contract award)**

Solicitation No. - N° de l'invitation  
F2402-200131/A  
Client Ref. No. - N° de réf. du client  
F2402-200131

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

Buyer ID - Id de l'acheteur  
CAL143  
CCC No./N° CCC - FMS No./N° VME

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The Project Authority for the Contract is:

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

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

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

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

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

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

E-mail address: \_\_\_\_\_

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

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 unit price, as specified in Annex B for a cost of \$ \_\_\_\_\_ (to be determined at contract award). Customs duties are *included* and Applicable Taxes are extra.

### 6.6.2 Limitation of Price

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.

### 6.6.3 Multiple Payment

H1001C (2008-05-12) Multiple Payment

### 6.6.4 SACC Manual Clauses

C2000C (2007-11-30) Taxes - Foreign-based Contractor

### 6.6.5 Electronic Payment of Invoices – Contract *(To be determined at contract award)*

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

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

### 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

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 Manitoba.

### 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), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment; and
- (e) the Contractor's bid dated \_\_\_\_\_

## 6.11 **SACC Manual Clauses**

[B7500C](#) (2006-06-16) Excess Goods  
[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 under the heading "[Dispute Resolution](#)".

## **ANNEX "A"**

### **REQUIREMENT**

#### **SUMMARY:**

The Canadian Grain Commission's (CGC) Grain Research Laboratory has a requirement for the supply, deliver, virtual install and training of one (1) long-read DNA sequencer, including required computing system and consumables.

#### **OBJECTIVE:**

CGC requires a long-read DNA sequencer system that is able to perform whole genome and metagenome sequencing of microbial DNA samples. The system must be able to generate reads that are greater than 10 kilobases in length with a single molecule accuracy greater than 90%. System must have a run time that is 48 hours or less and be able to sequence greater than 75 Gigabases within 48 hours.

Any consumables required for the operation of the instrument must be available on an as and when requested basis for 2 years after the purchase of the instrument. Consumables will be required for an estimated 48 DNA samples per year, with staggered delivery estimated at 4 times per year.

#### **ORGANIZATIONAL ENVIRONMENT:**

Completion of any installation and training may be delayed depending on access to the building and travel restrictions due to COVID.

**DELIVERY DATE:** Requested March 31<sup>st</sup> 2021 or best available date.

**DELIVERY LOCATION:** 196 Innovation Drive, Winnipeg, Manitoba, R3T 6C5

#### **DELIVERY TIMELINE**

On site delivery, install and training is requested by March 31, 2021 best available date is: \_\_\_\_\_.

CGC requires the option to purchase up to one (1) additional unit and relevant consumables (i.e. library preparation kits and flow cells) for up to two years following contract award.

### **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:
The Canadian Grain Commission's (CGC) Grain Research Laboratory has a requirement for the supply, delivery virtual install and training of one (1) long-read sequencing instrument including all relevent software and computer to operate the system.		

Item #	Performance Specification	Status (M) Mandatory	Performance Specification Offered: Bidder <u>should</u> indicate how they meet the performance specification by recording this information in this column	Cross Reference: In this column, Bidders <u>should</u> cross-reference where this performance specification is indicated in their supporting documents
<b>1</b>	<b>Part 1: GENERAL PERFORMANCE SPECIFICATIONS</b>			
1.1	All equipment must be new (not previously used for demonstration or loan), in that it must not include refurbished equipment, and in that all equipment must be of current	(M)		

	manufacture.			
1.2	The instrument must be composed of standard equipment requiring no further research or development, must be a model in current production and conform to the current issue of the applicable specification and/or part number of the Original Equipment Manufacturer.	(M)		
1.3	The Bidder must be an Authorized seller for the Unit they are offering to the Crown.	(M)		
<b>2</b>	<b>Part 2: INSTRUMENT SPECIFICATIONS</b>			
2.1	Instrument must not exceed counter depth of 65 centimeters.	(M)		
2.2	System must include a long-read sequencer capable of DNA sequencing.	(M)		
2.3	System must be able to perform whole genome and metagenome sequencing of microbial DNA samples	(M)		
2.4	System must be able to generate reads that are greater than 10 kilobases in length.	(M)		
2.5	System must have a run time that is 48 hours or less	(M)		
2.6	System must be able to generate >75 Gigabases of read data within at minimum 48 hours.	(M)		
2.7	System must come with a computing system capable of receiving and processing the sequencing data	(M)		
2.8	Must be able to achieve a single molecule accuracy >90%.	(M)		
2.9	The instrument must collect and display measured data electronically.	(M)		
2.10	The instrument software must be included with the system.	(M)		
<b>3</b>	<b>Part 3: CONSUMABLES</b>			
3.1	Must supply consumables (library preparation kit, flow cells, etc.) for an estimated 48 DNA samples, capable of generating over 10 Gigabases of read data per sample.	(M)		
3.2	Consumables must have the option of staggered shipping to CGC, at a minimum of 4 deliveries per year.	(M)		
<b>4</b>	<b>Part 4: ELECTRICAL SPECIFICATIONS</b>			
4.1	Instrument electrical requirements must be 110/120 v; 50/60 Hz.	(M)		
4.2	The equipment must be approved by the Canadian Standards Association (CSA), CSA International OR a National Certification body for the	(M)		

	Country of Manufacture (i.e. CE, UL) before shipping to the Canadian Grain Commission (CGC).			
4.3	Must provide the electrical and laboratory infrastructure requirements for the long read sequencing system and computer system at time of bid. Document must clearly identify number of outlets, power requirements (amp and volt) and type of plug (ie NEMA) for each piece of equipment.	(M)		
5	<b>Part 5: DOCUMENTATION AND TECHNICAL MANUALS</b>			
5.1	The Contractor must provide a complete and current set of end-user documentation with each system delivered. Also must provide technical reference manuals from the Original Equipment Manufacturer (OEM) for each item delivered. Manuals must be provided in English.	(M)		
6	<b>Part 6: TRAINING</b>			
6.1	Virtual training for up to three Canadian Grain Commission staff must be provided by a qualified service engineer. Training must include instruction on all modes of operation of the instrument and all features of the operating /data handling software.	(M)		
7	<b>Part 7: WARRANTY</b>			
7.1	Must provide a minimum 1 year full parts and labour warranty, which begins on the date of acceptance of the system.	(M)		
7.2	Warranty period must provide telephone consultation, without charge, for system operations and troubleshooting.	(M)		
7.3	Must be able to provide technical support after the warranty period for minimum 5 years.	(M)		

**ANNEX "B"**

**BASIS OF PAYMENT**

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.

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm unit prices, as specified below. Applicable taxes are extra, if applicable, and to be shown as a separate item on any resulting invoice.

PRICING is firm lot price, including all costs associated with providing the requirement in accordance with Annex A Statement of Requirement and Mandatory Technical Specifications, including all customs duties, FOB destination.

**Delivery, FOB Destination:** Canadian Grain Commission  
 196 Innovation Drive  
 Winnipeg, Manitoba R3T 6C5  
 CANADA  
**Attn: TBD**

**Pricing Schedule 1A: DNA SEQUENCER**

Item	Description	Qty	Unit of Issue	Lot Price
1	Long Read DNA Sequencer in accordance with mandatory performance specifications detailed in Annex A Statement of Requirement and Mandatory Technical Specifications Matrix.	1	Unit	\$
2	Installation			\$
3	Training			\$
4	Delivery Charges: Shipping and handling charges, including off-loading charges, FOB Destination.			\$
<b>SUB-TOTAL</b>				\$
<b>Taxes, if applicable</b>				\$
<b>TOTAL</b>				\$

**Pricing Schedule 1B: Contract Year 1 – CONSUMABLES (Pricing from Contract award to March 31 2022) Note: this pricing schedule will be evaluated as an aggregate. The Subtotal bid price will be the amount used for financial evaluation.**

Item	Description	Unit Price	Unit of Issue For bidding purposes	Extended Price
BIDDER MUST: Provide list of all required consumables required to run instrument and complete 48 DNA sequencing as per Annex A Statement of Requirement and Mandatory Technical Specifications Matrix, specification 3.1 and 3.2 with multiple shipments for a total of 48/year. BIDDER MUST: provide quantities of required consumables for processing 48 samples.				
1		\$		\$
2		\$		\$
3		\$		\$
4		\$		\$
5		\$		\$
6		\$		\$
7	<b>Delivery Charges:</b> Shipping and handling charges, FOB Destination			\$
<b>SUB-TOTAL</b>				\$
<b>Taxes, if applicable</b>				\$
<b>TOTAL</b>				\$

**Pricing Schedule 2A: Optional Goods: DNA Sequencer**

Item	Description	Qty	Unit of Issue	Lot Price Option Goods Year 1 (2022-2023)	Lot Price Option Goods Year 2 (2023-2024)
1	Long read DNA sequencer in accordance with mandatory performance specifications detailed in Annex A Statement of Requirement and Annex Mandatory Technical Specifications Matrix.	1	Lot	\$	\$
2	<b>Installation</b>			\$	\$
3	<b>Training</b>			\$	\$
4	<b>Delivery Charges:</b> Shipping and handling charges, including off-loading charges, FOB Destination.			\$	\$
<b>SUB-TOTAL</b>				\$	\$
<b>Taxes, if applicable</b>				\$	\$
<b>TOTAL</b>				\$	\$

Solicitation No. - N° de l'invitation  
 F2402-200131/A  
 Client Ref. No. - N° de réf. du client  
 F2402-200131

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

Buyer ID - Id de l'acheteur  
 CAL143  
 CCC No./N° CCC - FMS No./N° VME

**Pricing Schedule 2B: OPTIONAL CONSUMABLES**

Item	Description	Unit Price	Unit of Issue For bidding purposes	Extended Price
BIDDER MUST: Provide list of all required consumables required to run instrument and complete 48 DNA sequencing as per Annex A Statement of Requirement and Mandatory Technical Specifications Matrix, specification 3.1 and 3.2 with multiple shipments for a total of 48/year. BIDDER MUST: provide quantities of required consumables for processing 48 samples.				
1		\$		\$
2		\$		\$
3		\$		\$
4		\$		\$
5		\$		\$
6		\$		\$
7	<b>Delivery Charges:</b> Shipping and handling charges, FOB Destination			\$
<b>SUB-TOTAL</b>				\$
<b>Taxes, if applicable</b>				\$
<b>TOTAL</b>				\$

Solicitation No. - N° de l'invitation  
F2402-200131/A  
Client Ref. No. - N° de réf. du client  
F2402-200131

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

Buyer ID - Id de l'acheteur  
CAL143  
CCC No./N° CCC - FMS No./N° VME

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## **ANNEX "C"**

### **ELECTRONIC PAYMENT INSTRUMENTS**

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

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