



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

**Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada**
Room 100,
167 Lombard Ave.
Winnipeg
Manitoba
R3B 0T6
Bid Fax: (204) 983-0338

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government
Services Canada**

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

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet System Replacement	
Solicitation No. - N° de l'invitation 5K003-171274/A	Date 2018-01-10
Client Reference No. - N° de référence du client 5K003-171274	
GETS Reference No. - N° de référence de SEAG PW-\$WPG-011-10436	
File No. - N° de dossier WPG-7-40150 (011)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-01-26	Time Zone Fuseau horaire Central Standard Time CST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Palmer, Adele	Buyer Id - Id de l'acheteur wpg011
Telephone No. - N° de téléphone (204) 807-6396 ()	FAX No. - N° de FAX (204) 983-7796
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CANADIAN GRAIN COMMISSION GRAIN RESEARCH LAB 1370-303 MAIN ST WINNIPEG Manitoba R3C3G8 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
Room 100
167 Lombard Ave.
Winnipeg
Manitoba
R3B 0T6

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

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PART 1 - GENERAL INFORMATION

1.1 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 Trade Agreements

The requirement is subject to the provisions of the Canadian Free Trade Agreement (CFTA).

1.4 Canadian Content

The requirement is subject to a preference for Canadian goods and/or services.

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 \(2017-04-27\)](#) 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.

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.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

Section I: Technical Bid (2 hard copies)

Section II: Financial Bid (1 hard copy)

Section III: Certifications (1 hard copy)

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

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

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

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

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

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.
- (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

The Bidder must provide sufficient documentation with their bid showing how they meet the technical requirements detailed in Annex "A" – Requirement.

4.1.2 Financial Evaluation

SACC Manual Clause [A0220T \(2014-06-26\)](#), Evaluation of Price

4.2 Basis of Selection

4.2.1 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](#) (2014-11-27) 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.

5.2.1 Integrity Provisions – Required Documentation

In accordance with 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](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969) website (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969).

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 \(2016-04-04\)](#), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Period of the Contract

The period of the Contract is from date of Contract to June 30, 2018 inclusive.

6.4.2 Delivery Date

All deliverables must be received by March 23, 2018.

6.4.3 Delivery Points

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

6.5 Authorities

6.5.1 Contracting Authority

Solicitation No. - N° de l'invitation
5K003-171274/A
Client Ref. No. - N° de réf. du client
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Amd. No. - N° de la modif.
File No. - N° du dossier
WPG-7-40150

Buyer ID - Id de l'acheteur
wpg011
CCC No./N° CCC - FMS No./N° VME

The Contracting Authority for the Contract is:

Adèle Palmer
Procurement Specialist
Public Services and Procurement Canada
Western Region
Acquisitions Section
Suite 100-167 Lombard Avenue
Winnipeg, MB R3B 0T6

Telephone: (204) 807-6396

Facsimile: (204) 983-7796

E-mail address: adele.palmer@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

The Project Authority for the Contract is: **to be inserted 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

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone : ____ _
Facsimile: ____ _
E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment – Firm Lot Price

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm lot price as specified in Annex "B" for a cost of **\$TBD**. 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 Limitation of Price

SACC Manual clause [C6001C](#) (2011-05-16) Limitation of Price

6.6.3 Terms of Payment

SACC Manual clause [H1000C](#) (2008-05-12), Single Payment
SACC Manual clause [H1001C](#) (2008-05-12), Multiple Payments

6.6.4 SACC Manual Clauses

[C2000C](#) (2007-11-30), Taxes- Foreign-based Contractor

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

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.

6.8.2 SACC Manual Clauses

[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 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](#) (2016-04-04), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (d) the Contractor's bid dated _____.

6.11 SACC Manual Clauses

[A9068C](#) (2011-05-16) Government Site Regulations
[B7500C](#) (2006-06-16) Excess Goods

C5201C (2008-05-12) Prepaid Transportation Costs

6.12 Insurance – Specific Requirements

The Contractor must comply with the insurance requirements specified in Annex “C”. The Contractor must maintain the required insurance coverage for the duration of the Contract. Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract.

The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.

The Contractor must forward to the Contracting Authority within ten (10) days after the date of award of the Contract, a Certificate of Insurance evidencing the insurance coverage and confirming that the insurance policy complying with the requirements is in force. For Canadian-based Contractors, coverage must be placed with an Insurer licensed to carry out business in Canada, however, for Foreign-based Contractors, coverage must be placed with an Insurer with an A.M. Best Rating no less than “A-”. The Contractor must, if requested by the Contracting Authority, forward to Canada a certified true copy of all applicable insurance policies.

ANNEX "A"

REQUIREMENT

ITEM:

The Canadian Grain Commission (CGC), Grain Research Laboratory (GRL) has a requirement for the supply, delivery, install and training of an AF4 (Asymmetrical Flow Field Flow Fractionation) System which includes: isocratic High performance liquid chromatography (HPLC) pump, degasser, autosampler, accessories (Long channel with frit inlet, Long channel fritless, inline filter holder), oven, software to control instruments and Astra software, to be installed on a CGC provided computer.

All deliverables must be received by March 23, 2018.

OBJECTIVE/BACKGROUND:

The AF4 system will replace our current HPLC to complete both size exclusion chromatography (SEC) and Asymmetrical Flow Field Flow Fractionation (AF4) separation in one system. This system, which will be used with our existing MALS (Multi-angle light scattering), Refractive Index (RI) and Viscosity detectors and Astra software to effectively separate constituents of grain and/or grain products (e.g., beer) and to accurately determine their absolute molecular weight and intrinsic viscosity.

The software must be able to control and communicate directly with our existing Astra software that is used to run the MALS, RI and Viscosity detectors. Astra software acquires, analyses and reports measurements using these detectors.

This new combined separation system will produce results that complement each other and will advance our knowledge of grain constituents and functionality, thus improving our understanding of quality and marketability of Canadian Grain.

MANDATORY TECHNICAL CRITERIA: COMPLIANCE MATRIX PERFORMANCE SPECIFICATIONS

INSTRUCTIONS:

A complete list of the mandatory performance specifications are detailed below in the "Compliance Matrix". Bidders are to clearly demonstrate compliance with each mandatory specification.

1. Bidders are requested to provide the Manufacturer and model number offered.
2. Bidders must show compliance by addressing each performance specification in the Compliance Matrix, and should indicate whether the product offered "meets" or "doesn't meet".
3. It is requested that supporting technical documentation, including but not limited to, specification sheets, technical brochures, photographs or illustrations be provided with the bid at solicitation close and be cross-referenced on the Compliance Matrix for each performance specification to outline where in the supporting technical documentation it demonstrates compliance. It is the Bidders responsibility to ensure that the submitted supporting technical documentation provides detail to prove that the proposed product(s) meet the requirements of the Performance Specification. If published supporting technical document is not available, the Bidder should prepare a written narrative complete with a detailed explanation of how its bid demonstrates technical compliance.

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File No. - N° du dossier
WPG-7-40150

Buyer ID - Id de l'acheteur
wpg011
CCC No./N° CCC - FMS No./N° VME

4. 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.
5. Canada will not evaluate information such as references to Web site addresses where additional Information can be found.
6. 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.
7. Failure to meet each performance specification will result in the bid being deemed non-responsive, and be given no further consideration.

**PLEASE SEE THE ATTACHED MANDATORY
TECHNICAL SPECIFICATION CRITERIA SPREADSHEET.**

Requirement	Manufacturer Offered:	Model number Offered#
One (1) AF4 (Asymmetrical Flow Field Flow Fractionation) System		

All of the components detailed in the Compliance matrix must be fully integrated and supported by the vendor.

This unit must integrate the following major sub-systems into a complete operating system:

COMPLIANCE MATRIX - MANDATORY PERFORMANCE SPECIFICATIONS

Item #	Performance Specification	Status (M) Mandatory (D) Desirable* (I) Information	Performance Specification Met? Must indicate either Yes/No	Performance Specification Offered: Bidder should indicate how they meet the performance specification by recording this information in this column	Cross Reference: In this column, Bidders should cross-reference where this performance specification is indicated in their supporting documents.	What's expected in your proposal
	Grain Research Laboratory has a requirement for supply, delivery, install and training of (1) AF4 (Asymmetrical Flow Field-Flow Fractionation, aqueous) system. Separation system consists of a degasser, inline filter holder, accessories for work with the channel (long channel with frit inlet, long channel fritless), isocratic high performance liquid chromatography (HPLC) pump, autosampler, oven and software to control and communicate directly with our existing Wyatt detectors). Software to be installed on a CGC supplied computer.					
1.0	Part 1: GENERAL PERFORMANCE SPECIFICATIONS					
1.1	System must be capable of switching between two different lines of separation AF4 (Asymmetrical Flow Field-Flow Fractionation) and SEC (size exclusion chromatography).	M				Provide detailed documentation, brochures with proposal to demonstrate compliance with the specifications of the solicitation.
1.2	AF4 system must be able to operate using only one pump for all flows (inlet, cross, and channel flow).	M				Provide detailed documentation, brochures with proposal to demonstrate compliance with the specifications of the solicitation.

1.3	System must be able to handle aqueous solvents	M			Provide detailed documentation, brochures with proposal to demonstrate compliance with the specifications of the solicitation.
1.4	System must be able to precisely regulate the crossflow rate regardless of solvent type, pressure or temperature without calibration or compensation.	M			Provide detailed documentation, brochures with proposal to demonstrate compliance with the specifications of the solicitation.
1.5	Must have a separation range of 1 nanometers (nm) to 1000nm	M			Provide detailed documentation, brochures with proposal to demonstrate compliance with the specifications of the solicitation.
1.6	Must have an automatic overpressure shut down if pressures reach a maximum of 30 bar.	M			Provide detailed documentation, brochures with proposal to demonstrate compliance with the specifications of the solicitation.
1.7	Must have channel sizes available from short (145 milliliters mm effective length e L; 22mm width W) to long (275 mm el; 22mm W), semi prep (275mm el; 44 mm W), as well as frit-inlet channel.	M			Provide detailed documentation, brochures with proposal to demonstrate compliance with the specifications of the solicitation.
1.8	Must be corrosion resistant from pH 2-12, have PEEK (polyetheretherketone) tubing, and the sample path free from stainless steel.	M			Provide detailed documentation, brochures with proposal to demonstrate compliance with the specifications of the solicitation.
1.9	The system must be able to measure the pressure drop across the channel membrane.	M			Provide detailed documentation, brochures with proposal to demonstrate compliance with the specifications of the solicitation.
1.10	The pressure transducers used to measure the pressure drop must be zero dead volume.	M			Provide detailed documentation, brochures with proposal to demonstrate compliance with the specifications of the solicitation.
1.11	The oven must have space for one long channel (275mm long) plus one size exclusive column (8x300mm long) at the same time.	M			Provide detailed documentation, brochures with proposal to demonstrate compliance with the specifications of the solicitation.
2	Part 2: SOFTWARE SPECIFICATIONS				
2.1	The software must be compatible with Windows 7, 10, Enterprise or Professional.	M			Identify clearly in your proposal how you meet the software requirements.
2.2	The software must be able to control and communicate directly with the existing Astra software. This must be done without additional hardware.	M			Identify clearly in your proposal how you meet the software requirements.
2.3	The software must be able to design a sample separation strategy based on a user input of various sizes of molecules to be separated and predict the elution behavior based on FFF (Field Flow Fractionation) theory. Then create a method than can	M			Identify clearly in your proposal how you meet the software requirements.

	be tested. The software must be able to re-evaluate the measured results and further optimize the separation by suggesting other separation parameters in order to achieve a better separation result.					
3	Part 3: TRAINING					
3.1	Must provide installation and at minimum one day of on-site training for up to 3 people on software and basis system operation of the AF4 system.	M				Confirm commitment to meet this requirement.
4	Part 4: WARRANTY					
4.1	Must be able to provide at minimum one year full parts and labour warranty.	M				Identify clearly in your proposal how you meet the warranty requirements.
4.2	The warranty must include the cost of repairs, parts and labor and provided free shipping and packaging materials.	M				Identify clearly in your proposal how you meet the warranty requirements.
4.3	Must provide at minimum one year of free unlimited telephone or e-mail support.	M				Identify clearly in your proposal how you meet the warranty requirements.
5	Part 5: DELIVERY, INSPECTION, PACKAGING					
5.1	FOB Destination: 1370-303 Main St., Winnipeg, Manitoba.	M				Confirm commitment to meet this requirement
6	Part 6: SAFETY					
6.1	The system and/or components must be approved by the Canadian Standards Association (CSA) prior to shipping to the Canadian Grain Commission.	M				Provide detailed documentation to demonstrate compliance with the specifications of the solicitation.
7	Part 7: DOCUMENTATION & MANUALS					
7.1	Documentation/Technical Manuals. The Contractor shall 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 in English.	M				Confirm commitment to meet this requirement.
8	Part 8: QUALITY ASSURANCE					
8.1	The equipment proposed must be state-of-the-art proven technology and new (not previously used for demonstration or loan purposes)	M				Confirm commitment to meet this requirement.
8.2	The Bidder must be an Authorized Reseller for the unit they are offering to the Crown.	M				Confirm commitment to meet this requirement.

Solicitation No. - N° de l'invitation
 5K003-171274/A
 Client Ref. No. - N° de réf. du client
 5K003-171274

Amd. No. - N° de la modif.
 File No. - N° du dossier
 WPG-7-40150

Buyer ID - Id de l'acheteur
 wpg011
 CCC No./N° CCC - FMS No./N° VME

ANNEX "B"

BASIS OF PAYMENT

PRICING must be firm unit pricing in Canadian (CDN) funds, all-inclusive for the period of the Contract. Rates MUST include ALL costs (All Freight, delivery, offloading, FOB destination, options, accessories, travel, on site-training, warranties and customs duties.) associated with providing the Goods in accordance with the Requirement at Annex "A". GST, if applicable, is to be shown as a separate item on any resulting invoice. (PST Exempt 390516-0).

FOB Destination: Canadian Grain Commission (CGC)
 Room 1370, 100-303 Main Street
 Winnipeg, MB, R3C 3G8

ITEM	DESCRIPTION	QTY	UNIT OF ISSUE	FIRM UNIT PRICE CDN \$ (PER UNIT OF ISSUE)	EXTENDED PRICE CDN \$
1	(1) AF4 (Asymmetrical Flow Field-Flow Fractionation, aqueous) system as described in Annex A and Compliance Matrix.	1	EACH	\$	\$
2	1 year full parts and labor warranty, per Annex A	1	EACH	\$	\$
3	Training per Annex A – Requirement; Part A – Mandatory Technical Criteria	1	Each	\$	\$
3	Shipping to Destination: Canadian Grain Commission 1370-303 Main St., Winnipeg, Manitoba.	1	EACH	\$	\$
TOTAL (\$CDN)					\$

ANNEX "C"

INSURANCE REQUIREMENTS

Commercial General Liability Insurance

1. The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$2,000,000 per accident or occurrence and in the annual aggregate.
2. The Commercial General Liability policy must include the following:
 - a. Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.
 - b. Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.
 - c. Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.
 - d. Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.
 - e. Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.
 - f. Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.
 - g. Employees and, if applicable, Volunteers must be included as Additional Insured.
 - h. Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)
 - i. Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.
 - j. Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.
 - k. If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.

- I. Owners' or Contractors' Protective Liability: Covers the damages that the Contractor becomes legally obligated to pay arising out of the operations of a subcontractor.

For the province of Quebec, send to:

*Director Business Law Directorate,
Quebec Regional Office (Ottawa),
Department of Justice,
284 Wellington Street, Room SAT-6042,
Ottawa, Ontario, K1A 0H8*

For other provinces and territories, send to:

*Senior General Counsel,
Civil Litigation Section,
Department of Justice
234 Wellington Street, East Tower
Ottawa, Ontario K1A 0H8*

A copy of the letter must be sent to the Contracting Authority. Canada reserves the right to co-defend any action brought against Canada. All expenses incurred by Canada to co-defend such actions will be at Canada's expense. If Canada decides to co-defend any action brought against it, and Canada does not agree to a proposed settlement agreed to by the Contractor's insurer and the plaintiff(s) that would result in the settlement or dismissal of the action against Canada, then Canada will be responsible to the Contractor's insurer for any difference between the proposed settlement amount and the amount finally awarded or paid to the plaintiffs (inclusive of costs and interest) on behalf of Canada.