

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
**Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada**
PO Box 1408, Room 100
167 Lombard Ave.
Winnipeg
Manitoba
R3C 2Z1
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 Mass Spectrometer, Benchtop	
Solicitation No. - N° de l'invitation 5K003-139983/A	Date 2012-11-13
Client Reference No. - N° de référence du client 5K003-139983	
GETS Reference No. - N° de référence de SEAG PW-\$WPG-070-8270	
File No. - N° de dossier WPG-2-35104 (070)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-12-07	
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: Barenz, Leanne	Buyer Id - Id de l'acheteur wpg070
Telephone No. - N° de téléphone (204) 983-0506 ()	FAX No. - N° de FAX (204) 983-7796
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CANADIAN GRAIN COMMISSION 1514-303 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
PO Box 1408, Room 100
167 Lombard Ave.
Winnipeg
Manitoba
R3C 2Z1

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

REQUEST FOR PROPOSAL MASS SPECTROMETER - BENCH TOP

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The Canadian Grain Commission's (CGC) Grain Research Laboratory (GRL) requires a Bench Top Tandem Triple Quadrupole (MS/MS) Mass Spectrometer system to connect to a Waters ACQUITY ultra performance liquid chromatography (UPLC) system for the identification and quantitation of trace levels of mycotoxins and pesticide residues in grain.

A complete list of the mandatory technical specifications is detailed in Annex C, Compliance Matrix.

3. Debriefings

After contract award, bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual*

(<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2012-07-11) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

The text under Subsection 4 of Section 01 - Code of Conduct and Certifications of 2003 referenced above is replaced by:

Bidders should provide, with their bid or promptly thereafter, a complete list of names of all individuals who are currently directors of the Bidder. If such a list has not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to provide such a list within the required time frame will render the bid non-responsive. Bidders must always submit the list of directors before contract award.

Canada may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form - PWGSC-TPSGC 229) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

The text under Subsection 5 of Section 01 - Code of Conduct and Certifications of 2003 referenced above is replaced by:

The Bidder must diligently maintain the list up-to-date by informing Canada in writing of any change occurring during the validity period of the bid, and must also provide Canada, when requested, with the corresponding Consent Forms. The Bidder will also be required to diligently maintain the list and when requested, provide Consent Forms during the period of any contract arising from this bid solicitation.

2. Submission of Bids

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

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

4. Applicable Laws

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

5. Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least five (5) days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

Canada requests that bidders provide their bid in separately bound sections as follows:
Section I: Technical Bid (3 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>). To assist Canada in reaching its objectives, bidders are encouraged to:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and/or 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 Goods and Services Tax (GST) or Harmonized Sales Tax (HST) must be shown separately, if applicable.

1.1 Exchange Rate Fluctuation

C3011T (2010-01-11) Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

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

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

(c) The evaluation team will determine first if there are three (3) 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 three 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.

1.1 Technical Evaluation

1.1.1 Mandatory Technical Criteria

- (a) Provision of meeting the Mandatory Specifications as detailed in Annex C, Compliance Matrix.

Bidders should submit with the bid, technical documentation such as specification sheets, technical brochures and photographs or illustrations to demonstrate compliance to each mandatory criterion listed in Annex C, Compliance Matrix. If specific published technical documentation is not available, the Bidder should prepare a written narrative complete with a detailed explanation of how its bid demonstrates technical compliance. If any technical documentation is not submitted as requested, the Contracting Authority will so inform the bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the contracting Authority and meet the requirement within that time period will render the bid non-responsive.

- (b) Provision of pricing as per the instructions in Annex B, Basis of Payment.

1.1.2 Point Rated Technical Criteria

- (a) Refer to Annex D, Point Rated Criteria

1.2 Financial Evaluation

SACC Manual Clause A0222T (2010-01-11), Evaluation of Price

2. Basis of Selection - Highest Combined Rating of Technical Merit and Price

1. To be declared responsive, a bid must:

- (a) comply with all the requirements of the bid solicitation; and
- (b) meet all mandatory technical evaluation criteria (Annex D) ; and
- (c) obtain the required minimum of ONE POINT PER CRITERION for a minimum of three (3) points overall for the technical evaluation criteria which are subject to point rating. The rating is performed on a scale of thirty (30) points.

2. Bids not meeting (a), (b) and (c) will be declared non-responsive.

3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 65% for the technical merit and 35% for the price.

4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 65%.

5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 35%.

6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.

7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 65/35 ratio of technical merit and price, respectively. The total available points equals 30 and the lowest evaluated price is \$250,000 (35).

Basis of Selection - Highest Combined Rating Technical Merit (65%) and Price (35%)

		Bidder 1	Bidder 2	Bidder 3
Overall Technical Score		25/30	15/30	20/30
Bid Evaluated Price		\$300,000.00	\$275,000.00	\$250,000.00
Calculations	Technical Merit Score	25/30 x 65 = 54.17	15/30 x 65 = 32.50	20/30 x 65 = 43.33
	Price Score	250/300 x 35 = 29.17	250/275 x 35 = 31.82	250/250 x 35 = 35.00
Combined Rating		83.34	64.32	78.33
Overall Rating		1st	3rd	2nd

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications to be awarded a contract. Canada will declare a bid non-responsive if the required certifications are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

1. Code of Conduct Certifications - Certifications Required Precedent to Contract Award

1.1 Bidders should provide, with their bids or promptly thereafter, a complete list of names of all individuals who are currently directors of the Bidder. If such a list has not been received by the time the evaluation of bids is completed, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Bidders must submit the list of directors before contract award, failure to provide such a list within the required time frame will render the bid non-responsive.

The Contracting Authority may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form - PWGSC-TPSGC 229) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

2. Certifications Precedent to Contract Award

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

2.1 Federal Contractors Program - Certification

Suppliers who are subject to the Federal Contractors Program (FCP) and have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive federal government contracts over the threshold for solicitation of bids as set out in the Government Contracts Regulations. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any bids from ineligible contractors, including a bid from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

The Bidder, or, if the Bidder is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Bidder or the member of the joint venture

- a.() is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada;
- b.() is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;
- c.() is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC, having not bid on requirements of \$200,000 or more;
- d.() has not been declared an ineligible contractor by HRSDC, and has a valid certificate number as follows: _____ .

2.1.2 Canadian Content Certification (A3061T, 2010-01-11)

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.

SACC Manual clause A3050T (2010-01-11), Canadian Content Definition

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wpg070

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PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The Contractor must provide the items detailed under the "Requirement" at Annex "A".

3. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual*

(<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

3.1 General Conditions

2010A (2012-07-16), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

The text under Subsection 4 of Section 29 - Code of Conduct and Certifications - Contract of 2010A General Conditions referenced above is replaced by:

During the entire period of the Contract, the Contractor must diligently update, by written notice to the Contracting Authority, the list of names of all individuals who are directors of the Contractor whenever there is a change. As well, whenever requested by Canada, the Contractor must provide the corresponding Consent Forms.

3.2 Supplemental General Conditions

4001 (2010-08-16), Hardware Purchase, Lease and Maintenance, apply to and form part of the Contract.

4004 (2010-08-16), Maintenance and Support Services for Licensed Software, apply to and form part of the Contract

4. Term of Contract

4.1 Delivery Date

All the deliverables must be received on or before the date specified in Annex A, Requirement.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Leanne Barenz
Supply Specialist
Travaux publics et Services gouvernementaux Canada
Direction générale des approvisionnements

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100-167 Lombard Ave.
Winnipeg, Manitoba, R3C 2Z1

Telephone: 204-983-0506
Facsimile: 204-983-7796
E-Mail: leanne.barenz@pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

5.2 Project Authority

The Project Authority for the Contract is: Canadian Grain Commission

Project Authority to be determined 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.

5.3 Contractor's Representative

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: _____
Facsimile: _____
E-mail address: _____

6. Payment

6.1 Basis of Payment - Firm Price, Firm Unit Price(s) or Firm Lot Price(s)

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 \$ _____ (insert the amount at contract award). Customs duties are excluded and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.2 SACC Manual Clauses

H1000C (2008-05-12)	Single Payment
C6000C (2011-05-16)	Limitation of Price

7. Invoicing Instructions (H5001C 2008-12-12)

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.

8. Certifications

Compliance with the certifications provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification or it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

9. Applicable Laws

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

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 supplemental general conditions 4001 (2010-08-16), Hardware Purchase, Lease and Maintenance;
- (c) the supplemental general conditions 4004 (2010-08-16), Maintenance and Support Services for Licensed Software;
- (d) the general conditions 2010A (2012-07-16) General Conditions - Goods (Medium Complexity);
- (e) Annex A, Requirement;
- (f) Annex B, Base of Payment;
- (g) the Contractor's bid dated _____ (*insert date of bid*)

12. SACC Manual Clauses

A3060C (2008-05-12)	Canadian Content Certification
A9068C (2010-01-11)	Government Site Regulations
B7500C (2006-06-16)	Excess Goods
D5328C (2007-11-30)	Inspection and Acceptance
G1005C (2008-05-12)	Insurance

ANNEX "A" REQUIREMENT

The Grain Research Laboratory (GRL) at the Canadian Grain Commission (CGC) in Winnipeg, Manitoba (Canada) has a requirement for the supply, delivery and installation of a Bench Top tandem Triple Quadrupole (MS/MS) Mass Spectrometer System.

The Bench Top Tandem Triple Quadrupole (MS/MS) Mass Spectrometer system will connect to a Waters ACQUITY ultra performance liquid chromatography (UPLC) system for the identification and quantitation of trace levels of mycotoxins and pesticide residues in grain.

A complete list of the mandatory technical specifications is detailed in Annex C, Compliance Matrix.

Delivery, FOB Destination, is REQUESTED ON OR BEFORE December 31, 2012; Delivery, FOB Destination, MUST BE BEFORE March 31, 2013. The best delivery date offered is

_____.

Refer to Annex D, Compliance Matrix, for complete instruction of all specifications that must be satisfied in order for your bid to be deemed responsive. Completion of the Compliance Matrix is mandatory. Bidders should submit with the bid, technical documentation such as specification sheets, technical brochures and photographs or illustrations to demonstrate compliance to each mandatory criterion listed in Annex C, Compliance Matrix. If specific published technical documentation is not available, the Bidder should prepare a written narrative complete with a detailed explanation of how its bid demonstrates technical compliance. If any technical documentation is not submitted as requested, the Contracting Authority will so inform the bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the contracting Authority and meet the requirement within that time period will render the bid non-responsive.

ANNEX "B"
BASIS OF PAYMENT

When completed, the Annex B will be considered as the Bidder's Financial Bid. Bidder should identify the currency of financial bid.

Prices quoted to be **Firm Unit Prices**, FOB Destination, including all delivery and offloading charges, in accordance with the requirements identified in Annex A – Requirement and Annex C – Compliance Matrix. GST, if applicable, is to be shown as a separate item on any resulting invoice.

Item	Description	Qty	Unit of Issue	Unit Price
1	Bench Top Tandem Triple Quadrupole (MS/MS) Mass Spectrometer in accordance with the requirements as identified in the technical specifications.	1	each	\$
2	Installation , in accordance with the requirements as identified in the technical specifications.	1	each	\$
3	Training: basic software and basic MS/MS operation for up to 5 people in accordance with the requirements as identified in the technical specifications (to be coordinated between CGC and Supplier)	1	each	\$
4	Warranty: minimum two (2) years full parts, labour, and software updates from date of "technical acceptance" by CGC in accordance with the requirements as identified in the technical specifications.			
5	Delivery Charges: including offloading, FOB destination, to Canadian Grain Commission, Grain Research Laboratory, 303 Main Street, Suite 1514, Winnipeg, Manitoba CANADA			\$
Subtotal				\$
GST, if applicable				\$
TOTAL				\$

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ANNEX "C"
COMPLIANCE MATRIX

Annex C, Compliance Matrix is attached as a PDF document.

ANNEX "D" POINT RATED CRITERIA

Bids meeting all mandatory technical criteria identified in Annex C, Compliance Matrix, will be evaluated on the following point rated evaluation criteria.

1.13 Has the ability to perform sensitive quantitative analysis of mycotoxins of interest.

The Canadian Grain Commission will provide a test solution containing ochratoxin A (approximately 0.1 ppb) and ¹³C₂₀-ochratoxin A in 90:10 (v/v) 0.5% (m/v) acetic acid/acetonitrile. Final concentrations of analytes will be provided with the test solution.

Using ultra high performance liquid chromatography (ie. using a column with stationary phase particle size of < 2 µm) and ESI+, monitor the following transitions:

Table 1. Transitions for evaluation of technical specification 1.13

Transition	Analyte	Transition
A	OTA	m/z 404.1 → m/z 239.1
B	OTA	m/z 404.1 → m/z 358.1
C	¹³ C ₂₀ -OTA	m/z 424.2 → m/z 250.0
D	¹³ C ₂₀ -OTA	m/z 424.2 → m/z 377.2

Chromatography method details can be provided upon request.

Provide the following in an email to the Contracting Authority listed at **PART 6 - RESULTING CONTRACT CLAUSES section 5.1 CONTRACTING AUTHORITY**.

- 1.13.1** for a 1 pg on-column injection of OTA, provide a scanned copy or screen shot of the MS/MS output showing the following for each of the four transitions listed in Table 1
- a. signal to noise ratio, where signal is defined as the height of the chromatographic peak and noise is defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
 - b. peak height
 - c. root mean square noise, defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
 - d. MS/MS output showing the chromatographic conditions, column specifications, mobile phase and mass spectrometric parameters used to generate the data
- 1.13.2** for a 500 fg on-column injection of OTA, provide a scanned copy or screen shot of the MS/MS output showing the following for each of the four transitions listed in Table 1

- a. signal to noise ratio, where signal is defined as the height of the chromatographic peak and noise is defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
- b. peak height
- c. root mean square noise, defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
- d. MS/MS output showing the chromatographic conditions, column specifications, mobile phase and mass spectrometric parameters used to generate the data

1.13.3 for a 50 fg on-column injection of OTA, provide a scanned copy or screen shot of the MS/MS output showing the following for each of the four transitions listed in Table 1

- a. signal to noise ratio, where signal is defined as the height of the chromatographic peak and noise is defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
- b. peak height
- c. root mean square noise, defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
- d. MS/MS output showing the chromatographic conditions, column specifications, mobile phase and mass spectrometric parameters used to generate the data

1.14 Has the ability to perform sensitive quantitative analysis of pesticides of interest.

The Canadian Grain Commission will provide a test solution containing the 9-fluorenylmethyl chloroformate derivative of glyphosate (approximately 3 ppb) and the 9-fluorenylmethyl chloroformate derivative of ¹³C₂-glyphosate in ultra-pure water. Final concentrations of analytes will be provided with the test solution.

Using ultra high performance liquid chromatography (ie. using a column with stationary phase particle size of < 2 µm) and ESI-, monitor the following transitions:

Table 2. Transitions for evaluation of technical specification 1.14

Transition	Analyte	Transition	AGLY^a	m/z 390.0 → m/z 167.9	BGLY	m/z 390.0 → m/z 149.8
						¹³C₂-GLY^b
						m/z 392.2 → m/z 169.9
						D¹³C₂-GLY
						m/z 392.2 → m/z 151.9
						^a9-fluorenylmethyl chloroformate derivative of glyphosate

^b9-fluorenylmethyl chloroformate derivative of ¹³C₂-glyphosate

Chromatography method details can be provided upon request.

Provide the following in an email to the Contracting Authority listed at **PART 6 - RESULTING CONTRACT CLAUSES section 5.1 CONTRACTING AUTHORITY.**

1.14.1 for a 1 pg on-column injection of GLY, provide a scanned copy or screen shot of the MS/MS output showing the following for each of the four transitions listed in Table 2

-
- a. signal to noise ratio, where signal is defined as the height of the chromatographic peak and noise is defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
 - b. peak height
 - c. root mean square noise, defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
 - d. MS/MS output showing the chromatographic conditions, column specifications, mobile phase and mass spectrometric parameters used to generate the data
- 1.14.2 for a 100 fg on-column injection of GLY, provide a scanned copy or screen shot of the MS/MS output showing the following for each of the four transitions listed in Table 2
- a. signal to noise ratio, where signal is defined as the height of the chromatographic peak and noise is defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
 - b. peak height
 - c. root mean square noise, defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
 - d. MS/MS output showing the chromatographic conditions, column specifications, mobile phase and mass spectrometric parameters used to generate the data
- 1.14.3 for a 10 fg on-column injection of GLY, provide a scanned copy or screen shot of the MS/MS output showing the following for each of the four transitions listed in Table 2
- a. signal to noise ratio, where signal is defined as the height of the chromatographic peak and noise is defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
 - b. peak height
 - c. root mean square noise, defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
 - d. MS/MS output showing the chromatographic conditions, column specifications, mobile phase and mass spectrometric parameters used to generate the data

1.15 Has the ability to perform sensitive analyses with good precision.

Within 15 business days of receiving the test solution from the Canadian Grain Commission, Provide the following in an email to the Contracting Authority listed at **PART 6 - RESULTING CONTRACT CLAUSES section 5.1 CONTRACTING AUTHORITY**.

- 1.15.1 On days 1, 3, 5, 8, and 12 perform three consecutive (ie. one right after the other) replicate injections of 100 fg OTA on-column, and provide a scanned copy or screen shot of the MS/MS output for all three replicate injections showing the following for each of the four transitions listed in Table 1
- a. peak shape
 - b. peak height

- c. peak area
- d. MS/MS output showing the chromatographic conditions, column specifications, time of injection, mobile phase and mass spectrometric parameters used to generate the data

POINT RATED SCORING GRID:

Evaluation Criteria	1 point each	5 points each	10 points each
TECHNICAL SPECIFICATION 1.13 Has the ability to perform sensitive quantitative analysis of mycotoxins of interest.	signal to noise ratio = (greater than or equal to) 10 for 500 fg OTA ^a on-column for both transitions	signal to noise ratio = (greater than or equal to) 10 for 100 fg OTA on-column for both transitions	signal to noise ratio = (greater than or equal to) 10 for 50 fg OTA on-column for both transitions
TECHNICAL SPECIFICATION 1.14 Has the ability to perform sensitive quantitative analysis of pesticides of interest.	signal to noise ratio = (greater than or equal to) 10 for 10 pg GLY ^b on-column for both transitions	signal to noise ratio = (greater than or equal to) 10 for 2 pg GLY on-column for both transitions	signal to noise ratio = (greater than or equal to) 10 for 1 pg GLY on-column for both transitions
TECHNICAL SPECIFICATION 1.15 Has the ability to perform sensitive analyses with good precision.	a) intraday percent relative standard deviation of peak area for each of the 5 sets of triplicate injections = (less than or equal to) 15% (for all transitions listed in Table 1) b) interday percent relative standard deviation of peak area for all injections = (less than or equal to) 20% (for all transitions listed in Table 1)	a) intraday percent relative standard deviation of peak area for each of the 5 sets of triplicate injections = (less than or equal to) 10 % (for all transitions listed in Table 1) b) interday percent relative standard deviation of peak area for all injections = (less than or equal to) 10% (for all transitions listed in Table 1)	a) intraday percent relative standard deviation of peak area for each of the 5 sets of triplicate injections = (less than or equal to) 5% (for all transitions listed in Table 1) b) interday percent relative standard deviation of peak area for all injections = (less than or equal to) 5% (for all transitions listed in Table 1)

^aochratoxin A; ^b9-fluorenylmethyl chloroformate derivative of glyphosate

1. To be declared responsive, a bid must:

- (a) comply with all the requirements of the bid solicitation; and
- (b) meet all mandatory technical evaluation criteria (Annex C) ; and
- (c) obtain the required minimum of ONE POINT PER CRITERION for a minimum of three (3) points overall for the technical evaluation criteria which are subject to point rating. The rating is performed on a scale of thirty (30) points.

Solicitation No. - N° de l'invitation
5K003-139983/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

Client Ref. No. - N° de réf. du client
5K003-139983

File No. - N° du dossier
WPG-2-35104

wpg070

CCC No./N° CCC - FMS No/ N° VME

2. Bids not meeting (a), (b) and (c) will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 65% for the technical merit and 35% for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 65%.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 35%.
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 65/35 ratio of technical merit and price, respectively. The total available points equals 30 and the lowest evaluated price is \$250,000 (35).

Basis of Selection - Highest Combined Rating Technical Merit (65%) and Price (35%)

		Bidder 1	Bidder 2	Bidder 3
Overall Technical Score		25/30	15/30	20/30
Bid Evaluated Price		\$300,000.00	\$275,000.00	\$250,000.00
Calculations	Technical Merit Score	$25/30 \times 65 = 54.17$	$15/30 \times 65 = 32.50$	$20/30 \times 65 = 43.33$
	Price Score	$250/300 \times 35 = 29.17$	$250/275 \times 35 = 31.82$	$250/250 \times 35 = 35.00$
Combined Rating		83.34	64.32	78.33
Overall Rating		1st	3rd	2nd