

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 Single Kernel Characterization Sys	
Solicitation No. - N° de l'invitation 5K003-148205/A	Date 2013-11-19
Client Reference No. - N° de référence du client CGC	
GETS Reference No. - N° de référence de SEAG PW-\$WPG-202-8757	
File No. - N° de dossier WPG-3-36130 (202)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-12-05	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: Kozak, Tammy	Buyer Id - Id de l'acheteur wpg202
Telephone No. - N° de téléphone (204) 984-8825 ()	FAX No. - N° de FAX (204) 983-7796
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CANADIAN GRAIN COMMISSION 1305 Main Street 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

SINGLE KERNEL CHARACTERIZATION SYSTEM

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The requirement is detailed under Article 2 of the resulting contract clauses.

3. Debriefings

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

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

1 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 (2013-06-01) 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: sixty (60) days

Insert: NINETY (90) days

1.1 SACC Manual Clauses

B1000T (2007-11-30), Condition of Material

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 five (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 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.

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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

1. Bid Preparation Instructions

1. Bid Preparation Instructions

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

Section I: Technical Bid (2 hard copy)

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 MUST 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, 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) Bidders must have the ability to provide the goods as described in Annex "A" .
- (b) Bidders must provide documentation to substantiate each mandatory item in the Statement of Work at Annex A. Technical information, photos, brochures, must be submitted with your proposal at solicitation close, to clearly demonstrate your compliance with the specifications detailed within this solicitation.

1.2 Financial Evaluation

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

2. Basis of Selection

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

Bidders must provide the required certifications and documentation to be awarded a contract.

The certifications provided by bidders to Canada are subject to verification by Canada at all times. 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 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 with this request will also render the bid non-responsive or will constitute a default under the Contract.

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

1.2 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 (http://www.labour.gc.ca/eng/standards_equality/eq/emp/fcp/list/inelig.shtml) available from Human Resources and Skills Development Canada (HRSDC) - Labour's website.

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.

2.1 Canadian Content Certification

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

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement applicable to this Contract.

2. Requirement

The Contractor must provide the goods as detailed in "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>)(<http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp>) Manual issued by Public Works and Government Services Canada.

3.1 General Conditions

2010A (2013-04-25), General Conditions - Goods (Medium Complexity) apply to and form part of the Contract.

4. Term of the Contract

4.1 Delivery Date

All the deliverables must be received on or before March 31, 2014.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Tammy Kozak
Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
100-167 Lombard Avenue
Winnipeg, Manitoba R3C 2Z1

Telephone: 204-984-8825
Facsimile: 204-983-7796
E-mail address: tammy.kozak@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

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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:

Name: _____ TO BE DETERMINED AT CONTRACT AWARD _____

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.

5.3 Contractor's Representative

Name: _____

Title: _____

Telephone : _____

Facsimile: _____

E-mail address: _____

6. Payment

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 \$ ___ TO BE DETERMINED AT CONTRACT AWARD _____. Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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

6.2 Limitation of Price

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

6.3 Single Payments

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

6.4 SACC Manual Clauses

A9117C (2007-11-30), T1204 - Direct Request by Customer Department
C2000C (2007-11-30), Taxes - Foreign-based Contractor

7. Invoicing Instructions

The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

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 ____TO BE DETERMINED AT CONTRACT AWARD____.

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) 2010A General Conditions (2013-04-25) - Goods (Medium Complexity);
- (c) Annex A, Statement of Work;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated _____

11. SACC Manual Clauses

A9068C (2010-01-11), Canadian Forces Site Regulations
B7500C (2006-06-16), Excess Goods
G1005C (2008-05-12), Insurance
B1501 (2006-06-16), Electrical Equipment
A9039C (2008-05-12), Salvage

ANNEX "A"**REQUIREMENT**

The Canadian Grain Commissions' (CGC) Grain Research Laboratory (GRL) requires the supply, delivery and installation of one (1) Automated Single Kernel Characterization System.

Background of Requirement:**Single Kernel Characterization System for the Canadian Grain Commission (CGC)**

The Canadian Grain Commissions' Grain Research Laboratory (GRL) has a requirement for the supply of an automated single kernel characterization system, for the determination of the quality and uniformity of wheat and barley. The Grain Research Laboratory is responsible for providing quality assurance for Canadian wheat and barley. Grain uniformity is a key quality parameter for both wheat and barley.

The single kernel characterization system singulates individual kernels of wheat or barley from a bulk sample, weighs them, then crushes them between a toothed rotor and a progressively narrowing crescent gap. As a kernel is crushed, the force between the rotor and crescent and the conductivity between the rotor and the electrically isolated crescent are measured. This information is processed to provide weight, size, moisture, and hardness information on an individual kernel basis.

The fully automated system must produce simultaneous measurements of hardness, kernel weight, kernel size, and moisture content on an individual kernel basis from a bulk loaded sample of wheat or barley.

Mean values for hardness, kernel weight, kernel size, and moisture content and their standard deviations must be rapidly calculated from the data obtained from a 300 kernel sample. Results must be obtained as means and standard deviations of the four parameters. Distributions of kernel data must be illustrated in histograms. Data must be displayed on a screen in real time and able to be exported to Microsoft Excel for further processing and summarizing.

MANDATORY TECHNICAL CRITERIA**Part 1: GENERAL PERFORMANCE SPECIFICATIONS**

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 manufacture.
2. The instrument must be composed of standard equipment requiring no further research or development, and it 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.
3. The Bidder must be an Authorized seller for the Unit they are offering to the Crown.
4. The proposed unit must be able to process large or hard kernels (i.e. Barley and Durum) without jamming. The motor may need more torque than a standard Single Kernel Characterization System.

Part 2: INSTRUMENT SPECIFICATIONS**Measurements and parameters for data generation:**

5. The instrument must produce mean values and standard deviations (based on a minimum of 300 kernels) for the following kernel parameters:
 - i. Hardness
 - ii. Weight

iii. Diameter

iv. Moisture

6. Distributions of kernel data must be illustrated in histograms.

7. Results must be displayed on a screen in real time and must be able to be exported into Microsoft Excel for further processing and summarizing.

8. The system must be calibrated at factory for use with wheat and barley. No further calibration by end user must be necessary.

9. The system must be stand-alone, with no requirement for external PC control.

Part 3: ELECTRICAL SPECIFICATIONS

10. Instrument electrical requirements must be 110/120 v; 50/60 Hz.

11. The equipment must be approved by the Canadian Standards Association (CSA), CSA International OR a National Certification body for the Country of Manufacture (i.e. EC, UL) before shipping to the Canadian Grain Commission (CGC). CSA approval may be obtained by the CGC after acceptance as long as a National Standard for the Country of Manufacture has been met, and is appropriately labelled as certified on the proposed equipment.

Part 4: DELIVERY, INSPECTION, PACKAGING

12. FOB Destination: Room 1327, 303 Main Street, Winnipeg, Manitoba. Including all delivery and offloading charges to destination.

13. Inspection and acceptance will be done in Winnipeg to the satisfaction of the Designated User or an authorized representative. The acceptance testing will include using the equipment in a variety of applications to ensure it operates to the performance standards listed herein.

Acceptance at this time in no way limits the performance expected throughout the lifetime of the equipment or the obligations of the vendor during the warranty period.

14. Packaging and shipping must be in accordance with the industry standard for all items in order to ensure their safe arrival at destination. Packing slips must accompany each shipment. The Contractor will be responsible for the safe delivery, installation and obtaining acceptance of the Unit. All items must remain the responsibility of the Contractor until delivered, inspected and accepted by an authorized representative of Canada. Following acceptance of the Unit, all charges incurred for the replacement of malfunctioning equipment will be borne by the Contractor. Costs associated with replacement of equipment damaged in transit to the destination will be borne by the Contractor and the equipment will not be considered "delivered" for the purposes of satisfying the delivery time requirements as detailed above, unless the equipment is undamaged and ready for acceptance testing.

Part 5: DOCUMENTATION & MANUALS

15. Documentation/Technical Manuals. The Contractor must provide a complete and current set of end-user documentation with each system delivered. Contractor must provide technical reference manuals from the Original Equipment Manufacturer (OEM) for each item delivered. Manuals must be in English.

Part 6: WARRANTY

16. A full twelve month warranty period will not begin until the date of acceptance of the system.

17. Warranty must provide on-site service and must use vendor-employed, vendor-trained certified field service engineers

18. Warranty period must provide telephone consultation, without charge, for system operations and troubleshooting.

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ANNEX "B"

BASIS OF PAYMENT

1. When completed the Tables below will be considered as the Bidder's Financial Bid.
2. Bidders must complete the Basis of Payment in accordance with the following:
 - a. PRICING must be firm lot pricing, all inclusive for the period of the Contract. Rates MUST include ALL costs (freight and offloading) associated with providing the Goods in accordance with the Requirement at Annex A.
 - b. All rates are GST/HST extra, FOB destination.

CONTRACT PRICING

Firm Lot pricing, GST extra				
Item .	Description	Est'd Qnt	Unit of Issue	Unit Price
1	Supply and installation of a Automated Single Kernel Characterization System in accordance with the Requirement at Annex A <u>Lot Price Includes:</u> All Freight, delivery, and offloading charges	1	LOT	\$ Indicate if your bid is in CND or USD.