



**RETURN BIDS TO:  
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des  
soumissions - TPSGC**

**11 Laurier St. / 11, rue Laurier  
Place du Portage, Phase III**

**Core 0B2 / Noyau 0B2**

**Gatineau**

**Québec**

**K1A 0S5**

**Bid Fax: (819) 997-9776**

**REQUEST FOR PROPOSAL  
DEMANDE DE PROPOSITION**

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

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

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

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

**Comments - Commentaires**

<b>Title - Sujet</b> Precision Corn Planter	
<b>Solicitation No. - N° de l'invitation</b> 01E86-210442/B	<b>Date</b> 2021-04-12
<b>Client Reference No. - N° de référence du client</b> 01E86-210442	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HS-664-79943	
<b>File No. - N° de dossier</b> hs664.01E86-210442	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> Eastern Daylight Saving Time EDT <b>on - le 2021-05-13</b> Heure Avancée de l'Est HAE	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Schou, Phillippe	<b>Buyer Id - Id de l'acheteur</b> hs664
<b>Telephone No. - N° de téléphone</b> (873) 355-1903 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>  Specified Herein Précisé dans les présentes	

**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**

Industrial Vehicles & Machinery Products Division  
LEFTD - HS Division  
140, O'Connor Street/  
140, rue O'Connor,  
East Tower, 4th Floor/  
Tour Est, 4e étage  
Ottawa  
Ontario  
K1A 0S5

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

This Solicitation cancels and supersedes the Solicitation 01E86-210442/A

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## **PART 1 - GENERAL INFORMATION**

### **1.1 Introduction**

The bid solicitation and resulting contract document is divided into six (6) parts plus annexes as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications: includes the certifications to be provided;
- Part 6 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The attachments include the Annex A – Statement of Requirement, Annex B - Pricing– and Annex C – Electronic Payment Instruments

### **1.2 Summary**

Agriculture and Agri-Food Canada has a requirement to purchase one (1) Corn Research Precision Vacuum plot Planter and ancillary items, including training, in accordance with the Statement of Requirement for Corn Research Precision Vacuum plot Planter at Annex A, and as described at Annex B - Pricing.

### **1.3 Trade Agreements select the applicable trade agreements:**

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

### **1.4 Debriefings**

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within fifteen (15) working days from receipt of the results of the bid solicitation process. The debriefing may be provided in writing, by telephone or in person.

### **1.5 Phased Bid Compliance Process**

The Phased Bid Compliance Process applies to this requirement.

### **1.6 epost Connect Service**

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

## **PART 2 - BIDDER INSTRUCTIONS**

### **2.1 Standard Instructions, Clauses and Conditions**

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

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

The 2003 (2020-05-28) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 05.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: 120 days

### **2.2 Submission of Bids**

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

Note: For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit in the National Capital Region (NCR) the email address is:

[tpsgc.dgareceptiondessomissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca](mailto:tpsgc.dgareceptiondessomissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca)

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

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

All enquiries must be submitted in writing to the Contracting Authority no later than seven (7) 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 questions 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 - Bid

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

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

## 2.5 Bid Challenge and Resource Mechanisms

- (a) Several mechanisms are available to potential suppliers to challenge aspects of the procurement process up to and including contract award.
- (b) Canada encourages suppliers to first bring their concerns to the attention of the Contracting Authority. Canada's [Buy and Sell](#) website, under the heading "[Bid Challenge and Recourse Mechanisms](#)" contains information on potential complaint bodies such as:
  - Office of the Procurement Ombudsman (OPO)
  - Canadian International Trade Tribunal (CITT)
- (c) Suppliers should note that there are **strict deadlines** for filing complaints, and the time periods vary depending on the complaint body in question. Suppliers should therefore act quickly when they want to challenge any aspect of the procurement process.

## 2.6 Improvement of Requirement during Solicitation Period

Should bidders consider that the Statement of Requirement 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 seven (7) calendar days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

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

### **3.1 Bid Preparation Instructions**

If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

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

Section I: Technical Bid  
Section II: Financial Bid  
Section III: Certifications  
Section IV: Additional Information

If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its 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)  
Section IV: Additional Information (1 hard copy)

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

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.

Bidders should submit, with their bid, the completed Mandatory Technical Criteria table included in Part 4 – Evaluation Procedures and Basis of Selection under 4.1.2.1 (c).

### **Section II: Financial Bid**

Bidders must submit their financial bid in accordance with the Basis of Payment and Annex B - Pricing.

Bidders should complete Annex B and submit it with their bid.

#### **3.1.1 Electronic Payment of Invoices – Bid**

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex C - Electronic Payment Instruments, to identify which ones are accepted.

If Annex C - Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

#### **3.1.2 SACC Manual Clauses**

##### **3.1.2.1 Exchange Rate Fluctuation Risk Mitigation C3010T (2014-11-27)**

1. The Bidder may request Canada to assume the risks and benefits of exchange rate fluctuations. If the Bidder claims for an exchange rate adjustment, this request must be clearly indicated in the bid at time of bidding. The Bidder must submit form <https://www.tpsgc-pwgsc.gc.ca/app-acq/forms/450-eng.html>, Claim for Exchange Rate Adjustments with its bid, indicating the Foreign Currency Component (FCC) in Canadian dollars for each line item for which an exchange rate adjustment is required.
2. The FCC is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuations. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provision in the contract. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease).
4. At time of bidding, the Bidder must complete columns (1) to (4) on form <https://www.tpsgc-pwgsc.gc.ca/app-acq/forms/450-eng.html>, for each line item where they want to invoke the exchange rate fluctuation provision. Where bids are evaluated in Canadian dollars, the dollar values

provided in column (3) should also be in Canadian dollars, so that the adjustment amount is in the same currency as the payment.

5. Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

### **Section III: Certifications**

Bidders must submit the certifications required under Part 5.

### **Section IV: Additional Information**

Canada requests that bidders submit the following information:

#### **3.1.3 Best Delivery Date – Bid (D0002T – 2014-06-26)**

##### **3.1.3.1 Firm Quantity**

While delivery of the equipment/vehicle is requested by September 15, 2021, the best delivery that could be offered is as follows:

Item 001 – Corn Research Precision Vacuum plot Planter and ancillary items will be delivered within \_\_\_\_\_ weeks/calendar days from the effective date of the contract.

Final schedule will be confirmed after Contract award.

#### **3.1.4 Supplier Contacts**

Canada requests that Bidders provide the Contractor's Representative contact information in Part 6.

#### **3.1.5 After Sales Service**

Canada requests that the Bidder provide in Part 6 the names, addresses and telephone numbers of their dealers and/or agents authorized to provide after sales service, maintenance and warranty repairs, and a full range of repair parts for the vehicle/equipment offered. The Bidder should show the distance between the delivery location and the authorized dealer and/or agent and the delivery location.

#### **3.1.6 Manufacturer's Standard Warranty Period**

Canada requests that the Bidder provide details of the manufacturer's standard warranty period for the vehicle/equipment and its component that exceeds the minimum warranty period of twelve (12) months. Any additional manufacturer's standard warranty such as those derived from the Original Equipment Manufacturer (OEM) for component/sub-assemblies will form part of the proposed contract.

## **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) Canada will use the Phased Bid Compliance Process described below.

#### **4.1.1 Phased Bid Compliance Process**

##### **4.1.1.1 (2018-07-19) General**

- (a) Canada is conducting the PBCP described below for this requirement.
- (b) Notwithstanding any review by Canada at Phase I or II of the PBCP, Bidders are and will remain solely responsible for the accuracy, consistency and completeness of their Bids and Canada does not undertake, by reason of this review, any obligations or responsibility for identifying any or all errors or omissions in Bids or in responses by a Bidder to any communication from Canada.

THE BIDDER ACKNOWLEDGES THAT THE REVIEWS IN PHASE I AND II OF THIS PBCP ARE PRELIMINARY AND DO NOT PRECLUDE A FINDING IN PHASE III THAT THE BID IS NON-RESPONSIVE, EVEN FOR MANDATORY

REQUIREMENTS WHICH WERE SUBJECT TO REVIEW IN PHASE I OR II AND NOTWITHSTANDING THAT THE BID HAD BEEN FOUND RESPONSIVE IN SUCH EARLIER PHASE. CANADA MAY DEEM A BID TO BE NON-RESPONSIVE TO A MANDATORY REQUIREMENT AT ANY PHASE.

THE BIDDER ALSO ACKNOWLEDGES THAT ITS RESPONSE TO A NOTICE OR A COMPLIANCE ASSESSMENT REPORT (CAR) (EACH DEFINED BELOW) IN PHASE I OR II MAY NOT BE SUCCESSFUL IN RENDERING ITS BID RESPONSIVE TO THE MANDATORY REQUIREMENTS THAT ARE THE SUBJECT OF THE NOTICE OR CAR, AND MAY RENDER ITS BID NON-RESPONSIVE TO OTHER MANDATORY REQUIREMENTS.

- (c) Canada may, in its discretion, request and accept at any time from a Bidder and consider as part of the Bid, any information to correct errors or deficiencies in the Bid that are clerical or administrative, such as, without limitation, failure to sign the Bid or any part or to checkmark a box in a form, or other failure of format or form or failure to acknowledge; failure to provide a procurement business number or contact information such as names, addresses and telephone numbers; inadvertent errors in numbers or calculations that do not change the amount the Bidder has specified as the price or of any component thereof that is subject to evaluation. This shall not limit Canada's right to request or accept any information after the bid solicitation closing in circumstances where the bid solicitation expressly provides for this right. The Bidder will have the time period specified in writing by Canada to provide the necessary documentation. Failure to meet this deadline will result in the Bid being declared non-

responsive.

- (d) The PBCP does not limit Canada's rights under Standard Acquisition Clauses and Conditions (SACC) 2003 (2020-05-28) Standard Instructions – Goods or Services – Competitive Requirements nor Canada's right to request or accept any information during the solicitation period or after bid solicitation closing in circumstances where the bid solicitation expressly provides for this right, or in the circumstances described in subsection (c).
- (e) Canada will send any Notice or CAR by any method Canada chooses, in its absolute discretion. The Bidder must submit its response by the method stipulated in the Notice or CAR. Responses are deemed to be received by Canada at the date and time they are delivered to Canada by the method and at the address specified in the Notice or CAR. An email response permitted by the Notice or CAR is deemed received by Canada on the date and time it is received in Canada's email inbox at Canada's email address specified in the Notice or CAR. A Notice or CAR sent by Canada to the Bidder at any address provided by the Bidder in or pursuant to the Bid is deemed received by the Bidder on the date it is sent by Canada. Canada is not responsible for late receipt by Canada of a response, however caused.

#### **4.1.1.2**

##### **(2018-03-13) Phase I: Financial Bid**

- (a) After the closing date and time of this bid solicitation, Canada will examine the Bid to determine whether it includes a Financial Bid and whether any Financial Bid includes all information required by the solicitation. Canada's review in Phase I will be limited to identifying whether any information that is required under the bid solicitation to be included in the Financial Bid is missing from the Financial Bid. This review will not assess whether the Financial Bid meets any standard or is responsive to all solicitation requirements.
- (b) Canada's review in Phase I will be performed by officials of the Department of Public Works and Government Services.
- (c) If Canada determines, in its absolute discretion that there is no Financial Bid or that the Financial Bid is missing all of the information required by the bid solicitation to be included in the Financial Bid, then the Bid will be considered non-responsive and will be given no further consideration.
- (d) For Bids other than those described in c), Canada will send a written notice to the Bidder ("Notice") identifying where the Financial Bid is missing information. A Bidder, whose Financial Bid has been found responsive to the requirements that are reviewed at Phase I, will not receive a Notice. Such Bidders shall not be entitled to submit any additional information in respect of their Financial Bid.

- (e) The Bidders who have been sent a Notice shall have the time period specified in the Notice (the "Remedy Period") to remedy the matters identified in the Notice by providing to Canada, in writing, additional information or clarification in response to the Notice. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the Notice.
- (f) In its response to the Notice, the Bidder will be entitled to remedy only that part of its Financial Bid which is identified in the Notice. For instance, where the Notice states that a required line item has been left blank, only the missing information may be added to the Financial Bid, except that, in those instances where the addition of such information will necessarily result in a change to other calculations previously submitted in its Financial Bid, (for example, the calculation to determine a total price), such necessary adjustments shall be identified by the Bidder and only these adjustments shall be made. All submitted information must comply with the requirements of this solicitation.
- (g) Any other changes to the Financial Bid submitted by the Bidder will be considered to be new information and will be disregarded. There will be no change permitted to any other Section of the Bidder's Bid. Information submitted in accordance with the requirements of this solicitation in response to the Notice will replace, in full, **only** that part of the original Financial Bid as is permitted above, and will be used for the remainder of the bid evaluation process.
- (h) Canada will determine whether the Financial Bid is responsive to the requirements reviewed at Phase I, considering such additional information or clarification as may have been provided by the Bidder in accordance with this Section. If the Financial Bid is not found responsive for the requirements reviewed at Phase I to the satisfaction of Canada, then the Bid shall be considered non-responsive and will receive no further consideration.
- (i) Only Bids found responsive to the requirements reviewed in Phase I to the satisfaction of Canada, will receive a Phase II review.

#### **4.1.1.3 (2018-03-13) Phase II: Technical Bid**

- (a) Canada's review at Phase II will be limited to a review of the Technical Bid to identify any instances where the Bidder has failed to meet any Eligible Mandatory Criterion. This review will not assess whether the Technical Bid meets any standard or is responsive to all solicitation requirements. Eligible Mandatory Criteria are all mandatory technical criteria that are identified in this solicitation as being subject to the PBCP. Mandatory technical criteria that are not identified in the solicitation as being subject to the PBCP, will not be evaluated until Phase III.
- (b) Canada will send a written notice to the Bidder (Compliance Assessment Report or "CAR") identifying any Eligible Mandatory Criteria that the Bid has failed to meet. A Bidder whose Bid has been found responsive to the requirements that are reviewed at Phase II will receive a CAR that states that its Bid has been found responsive to the requirements reviewed at Phase II. Such Bidder shall not be entitled to submit any response to the CAR.

- (c) A Bidder shall have the period specified in the CAR (the "Remedy Period") to remedy the failure to meet any Eligible Mandatory Criterion identified in the CAR by providing to Canada in writing additional or different information or clarification in response to the CAR. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the CAR.
- (d) The Bidder's response must address only the Eligible Mandatory Criteria listed in the CAR as not having been achieved, and must include only such information as is necessary to achieve such compliance. Any additional information provided by the Bidder which is not necessary to achieve such compliance will not be considered by Canada, except that, in those instances where such a response to the Eligible Mandatory Criteria specified in the CAR will necessarily result in a consequential change to other parts of the Bid, the Bidder shall identify such additional changes, provided that its response must not include any change to the Financial Bid.
- (e) The Bidder's response to the CAR should identify in each case the Eligible Mandatory Criterion in the CAR to which it is responding, including identifying in the corresponding section of the original Bid, the wording of the proposed change to that section, and the wording and location in the Bid of any other consequential changes that necessarily result from such change. In respect of any such consequential change, the Bidder must include a rationale explaining why such consequential change is a necessary result of the change proposed to meet the Eligible Mandatory Criterion. It is not up to Canada to revise the Bidder's Bid, and failure of the Bidder to do so in accordance with this subparagraph is at the Bidder's own risk. All submitted information must comply with the requirements of this solicitation.
- (f) Any changes to the Bid submitted by the Bidder other than as permitted in this solicitation, will be considered to be new information and will be disregarded. Information submitted in accordance with the requirements of this solicitation in response to the CAR will replace, in full, **only** that part of the original Bid as is permitted in this Section.

- (g) Additional or different information submitted during Phase II permitted by this section will be considered as included in the Bid, but will be considered by Canada in the evaluation of the Bid at Phase II only for the purpose of determining whether the Bid meets the Eligible Mandatory Criteria. It will not be used at any Phase of the evaluation to increase any score that the original Bid would achieve without the benefit of such additional or different information. For instance, an Eligible Mandatory Criterion that requires a mandatory minimum number of points to achieve compliance will be assessed at Phase II to determine whether such mandatory minimum score would be achieved with such additional or different information submitted by the Bidder in response to the CAR. If so, the Bid will be considered responsive in respect of such Eligible Mandatory Criterion, and the additional or different information submitted by the Bidder shall bind the Bidder as part of its Bid, but the Bidder's original score, which was less than the mandatory minimum for such Eligible Mandatory Criterion, will not change, and it will be that original score that is used to calculate any score for the Bid
- (h) Canada will determine whether the Bid is responsive for the requirements reviewed at Phase II, considering such additional or different information or clarification as may have been provided by the Bidder in accordance with this Section. If the Bid is not found responsive for the requirements reviewed at Phase II to the satisfaction of Canada, then the Bid shall be considered non-responsive and will receive no further consideration.
- (i) Only Bids found responsive to the requirements reviewed in Phase II to the satisfaction of Canada, will receive a Phase III evaluation.

**4.1.1.4 (2018-03-13) Phase III: Final Evaluation of the Bid**

- (a) In Phase III, Canada will complete the evaluation of all Bids found responsive to the requirements reviewed at Phase II. Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) A Bid is non-responsive and will receive no further consideration if it does not meet all mandatory evaluation criteria of the solicitation.

**4.1.2 Technical Evaluation**

**4.1.2.1 Mandatory Technical Criteria**

- (a) Bidders must demonstrate their compliance with all mandatory technical criteria detailed below, by providing substantial information describing completely and in detail how each requirement is met or addressed. Simply repeating the statement contained in the bid solicitation is not sufficient.
- (b) The Phased Bid Compliance Process will apply to all mandatory technical criteria.
- (c)

ITEM	MANDATORY TECHNICAL CRITERIA (MTC)	REFERENCE TO
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		<b>SUBSTANTIAL INFORMATION CAN BE FOUND AT PAGE IN THE BID:</b>
<b>MTC 1.</b>	<p>The Bidder must demonstrate:</p> <p>The <b>Corn Research Row Planter</b> must be surface contact driven using 2 wheels, which must have constant contact with the soil surface at all times.</p> <p>Ref.: article 1.1 at Annex "C" – Statement of Requirement.</p>	
<b>MTC 2.</b>	<p>The Bidder must demonstrate:</p> <p>The <b>Planter</b> must be equipped with the following:</p> <ul style="list-style-type: none"> <li>a) a splitter system to allow two (2) person operation, and each operator to feed one packet to be split into two rows; and</li> <li>b) have the ability to quickly change to single row applications in which case four (4) funnels and four person are required on the planter's platform.</li> </ul> <p>The platform must include two seats for situation a) and four seats for situation b).</p> <p>Ref.: article 2.1 at Annex "C" – Statement of Requirement.</p>	
<b>MTC 3.</b>	<p>The Bidder must demonstrate:</p> <p>The row unit must contain a seed tube delivery system, an electric drive system, and an automatic downforce system.</p> <p>Ref.: article 1.4 at Annex "C" – Statement of Requirement.</p>	
<b>MTC 4.</b>	<p>The Bidder must demonstrate:</p> <p>The planter must be equipped with vacuum style precision seeders (4).</p> <p>Ref.: article 8.1 at Annex "C" – Statement of Requirement.</p>	
<b>MTC 5.</b>	<p>The Bidder must demonstrate:</p>	

	<p>The Planter will have mounting capabilities on client owned agricultural tractor listed in Appendix A, using a pull (tow behind) hitch system. The planter frame must be constructed with a minimum of 7" x 7" steel square tubing suitable for mounting and supporting requested configuration of planting units, disc openers, seed grain boxes, complete operator station and operator(s).</p> <p>Ref.: article 6.1 at Annex "C" – Statement of Requirement.</p>	
<b>MTC 6</b>	<p>The Bidder must demonstrate:</p> <p>The planter must have 4 planting units utilizing double disc openers. The units must be set to allow row spacing of 30"(76.2cm). Each row unit must be depth adjustable using a quick-adjust system that requires no tools. Seeding depth must be adjustable from at least 12.7 mm to 63.5 mm (0.5" to 2.5"). Seeding units must have true wheel style rubber packing wheels.</p> <p>Ref.: article 7.1 at Annex "C" – Statement of Requirement.</p>	
<b>MTC 7</b>	<p>The Bidder must demonstrate:</p> <p>The tripping system must have the ability to trigger the planter by mechanical or electronic input from wheel sensor or other device on the planter. Planter must be GPS ready and trigger from output signal from GPS.</p> <p>Ref.: article 9.2 at Annex "C" – Statement of Requirement.</p>	
<b>MTC 8</b>	<p>The Bidder must demonstrate:</p> <p>All the planter requested accessories must be compatible with the power unit (John Deere 5075M tractor).</p> <p>Ref.: article 5.1 at Annex "C" – Statement of Requirement.</p>	
<b>MTC 9</b>	<p>The Bidder must demonstrate:</p> <p>The <b>Planter</b> must be the latest model from a manufacturer who has demonstrated acceptability by selling this type and size class of equipment for at least three (3) years.</p>	

#### **4.1.3 Financial Evaluation**

Bidders must provide with their bid all financial information requested in the bid solicitation at Annex B – Pricing, and in accordance to the Basis of Payment.

##### **4.1.3.1 Mandatory Financial Criteria for Firm Quantity**

The prices of the bid must be in Canadian dollars, DDP Delivered Duty Paid at destination, Incoterms 2000, Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

#### **4.1.4 Evaluated Aggregate Price**

Bids will be evaluated on an aggregate price basis for Item 001 (Planter) and Item 002 (training) as follows:

- a) The firm price of the Corn Research Precision Vacuum plot Planter will determine the evaluated price of item 001;
- b) The firm price for the option 1 – Virtual Training will be added to the firm price for option 2 – In-Person Training to determine the evaluated price of item 002;
- c) The sum of all evaluated prices for item 001 and 002 will determine the evaluated aggregate price.

#### **4.2 Basis of Selection**

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical and financial evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated aggregate 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. Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

### **5.1 Certifications Required with the Bid**

Bidders must submit the following duly completed certifications as part of their bid.

#### **5.1.1 Integrity Provisions - Declaration of Convicted Offences**

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

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

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

#### **5.2.1 Integrity Provisions – Required Documentation**

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

#### **5.2.2 Federal Contractors Program for Employment Equity - Bid Certification**

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of [the Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/canada/esdc/labour) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#s4>).

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.

### 5.2.3 Additional Certifications Precedent to Contract Award

#### 5.2.3.1 Product Conformance

The Bidder certifies that the planter/equipment proposed conform, and will continue to conform throughout the duration of the contract, to all technical specifications of the Statement of Requirement.

This certification does not relieve the bid from meeting all mandatory technical evaluation criteria detailed in Part 4.

\_\_\_\_\_  
Bidder's authorized representative signature

\_\_\_\_\_  
Date

#### 5.2.3.2 General Environmental Criteria Certification

The Bidder must select and complete one of the following two certification statements.

- A) The Bidder certifies that the Bidder is registered or meets ISO 14001.

\_\_\_\_\_  
Bidder's authorized representative signature

\_\_\_\_\_  
Date

Or

- B) The Bidder certifies that the Bidder meets and will continue to meet throughout the duration of the contract, a minimum of four (4) out of six (6) criteria identified in the table below.

The Bidder must indicate which four (4) criteria, as a minimum, are met.

<b>Green Practices within the Bidders' organization</b>	<b>Insert a checkmark for each criterion that is met</b>
Promotes a paperless environment through directives, procedures and/or programs	
All documents are printed double sided and in black and white for day to day business activity unless otherwise specified by your client	
Paper used for day to day business activity has a minimum of 30% recycled content and has a sustainable forestry management certification	

Utilizes environmentally preferable inks and purchase remanufactured ink cartridges or ink cartridges that can be returned to the manufacturer for reuse and recycling for day to day business activity.	
Recycling bins for paper, newsprint, plastic and aluminum containers available and emptied regularly in accordance with local recycling program.	
A minimum of 50% of office equipment has an energy efficient certification.	

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Bidder's authorized representative signature

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Date

## **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 Requirement**

There is no security requirement applicable to the Contract.

### **6.2 Requirement - Contract**

The Contractor must provide one (1) Corn Research Precision Vacuum plot Planter and ancillary items, including training, in accordance with Annex A - Statement of Requirement, and at Annex B - Pricing.

#### **6.2.1 Technical Changes, Substitutes and Alternatives**

Any technical changes, substitutes and alternatives proposed by the Contractor must be evaluated for acceptance by the Technical Authority. Any substitutes and alternatives must be equivalent in form, fit, function, quality and performance to what is being replaced and must be at no additional cost to Canada. Substitutes and alternatives that are offered as equivalent will only be acceptable once they are approved by the Technical Authority as an equivalent. A contract amendment or a completed Design Change/Deviation form will be issued.

Should the Technical Authority not accept the substitute or the alternative and the Contractor is unable to meet the technical requirement, Canada may terminate the contract for default in accordance with the general conditions stated in the contract.

### **6.3 Standard Clauses and Conditions**

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

#### **6.3.1 General Conditions**

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

### **6.4 Term of Contract**

#### **6.4.1 Delivery Date**

Delivery of the vehicle/equipment must be made as follows:

#### **Firm Quantity**

Item 001 – one (1) Corn Research Precision Vacuum plot Planter and ancillary items must be delivered within *(to be inserted by PWGSC)* from the effective date of the contract.

Item 002– one (1) Training session must be provided within (*to be inserted by PWGSC*) from the effective date of the contract. Final training schedule will be confirmed with the technical authority.

#### **6.4.2 Delivery Points**

Delivery of the requirement will be made to delivery point(s) specified at Annex B - Pricing of the Contract.

#### **6.5 Authorities**

##### **6.5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Phillipe Schou  
Supply Officer  
Public Services and Procurement Canada  
Acquisitions Branch  
LEFTD - HS Division  
L'Esplanade Laurier (LEL) East Tower, 4th floor  
140, O'Connor Street, Ottawa (Ontario) K1A 0S5  
Telephone: 873-355-1903  
E-mail address: Phillipe.Schou@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 Procurement Authority**

The Procurement Authority for the contract is:

To be inserted by PWGSC

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

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

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

The Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Contract. The Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Contract. The Contractor may discuss administrative matters identified in the Contract with the Procurement Authority; however, the Procurement Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of Work can only be made through a contract amendment issued by the Contracting Authority.

##### **6.5.3 Technical Authority**

The Technical Authority for the Contract is:

To be inserted by PWGSC

Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

The Technical 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 Technical Authority; however, the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

**6.5.4 Contractor's Representative**

**General enquiries**

Name: \_\_\_\_\_  
Telephone No.: \_\_\_\_\_  
Facsimile No.: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

**Delivery follow-up**

Name: \_\_\_\_\_  
Telephone No.: \_\_\_\_\_  
Facsimile No.: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

**6.5.5 After Sales Service**

The following dealer and/or agent is authorized to provide after sales service, maintenance and warranty repairs; and a full range of repair parts for the vehicle/equipment offered:

Distance between the delivery location and the dealer and/or agent: \_\_\_\_\_ km

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone No.: \_\_\_\_\_

**6.6 Payment**

**6.6.1 Basis of Payment**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid as follows:

**6.6.1.1 Basis of Payment Type 1**

Firm prices in Canadian dollars, Delivered Duty Paid at destination, Incoterms 2000, including Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra, as specified in Annex B - Pricing.

The price paid will be adjusted in accordance with the exchange rate fluctuation provision (as applicable).

### 6.6.2 Electronic Payment of Invoices

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

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);

### 6.6.3 SACC Manual Clauses

SACC Reference	Title	Date
C6000C	Limitation of Price	2017-08-17
H1001C	Multiple Payments	2008-05-12
C3015C	Exchange Rate Fluctuation Adjustment	2017-08-17

## 6.7 Invoicing

### 6.7.1 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions.
2. Invoices cannot be submitted before delivery, inspection and acceptance of the vehicle/equipment/service.
3. The Applicable Taxes must be calculated on the total amount of the invoice before the holdback is applied. At the time the holdback is claimed, there will be no taxes payable as they were claimed and payable under the previous invoice for the vehicle/equipment/service.
4. Upon delivery, inspection and acceptance of all ancillary items related to such vehicle/equipment/service the Contractor can submit an invoice for the release of the holdback.
5. Each invoice must be supported by:
  - (a) a copy of the invoices, receipts, vouchers for all direct expenses, and all travel and living expenses;
6. The Contractor is requested to provide invoices in electronic format unless otherwise specified by the Contracting Authority or Procurement Authority, thereby reducing printed material.
7. Invoices must be distributed as follows:

- (a) The original must be forwarded or emailed to the Procurement Authority identified under the section entitled "Authorities" of the Contract for acceptance and payment.
- (b) One (1) copy must be forwarded or emailed to the Contracting Authority identified under the section entitled "Authorities" of the Contract.
- (c) One (1) copy must be forwarded to the consignee.

**6.7.2 Holdback**

Canada will apply a ten (10) percent holdback on any due payment for the Item 001 – Precision Corn Planter until delivery, inspection and acceptance of all ancillary items, including training, related to such vehicle/equipment/service.

Subsequent to delivery, inspection and acceptance of all ancillary items, including training, related to such vehicle/equipment/service the Contractor must submit an invoice for the release of the Holdback in accordance with "Invoicing Instructions" found in this contract.

**6.8 Certifications**

**6.8.1 Compliance**

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

**6.9 Applicable Laws - Contract**

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

**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 2010A (2020-05-28) General Conditions - Medium Complexity - Goods;
- (c) Annex A – Statement of Requirement for a Corn Research Precision Vacuum plot Planter;
- (d) Annex B - Pricing
- (e) The Contractor's bid dated (to be inserted by PWGSC) \_\_\_\_\_, as amended (to be inserted by PWGSC) \_\_\_\_\_.

**6.11 SACC Manual Clauses**

SACC Reference	Title	Date
A1009C	Work Site Access	2008-05-12

A9049C	Vehicle Safety	2011-05-16
A9068C	Government Site Regulations	2010-01-11
G1005C	Insurance	2016-01-28

### **6.12 Inspection and Acceptance**

The Technical Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Requirement and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

### **6.13 Preparation for Delivery**

The vehicle/equipment must be serviced, adjusted and delivered in condition for immediate use. The interior and exterior must be cleaned before leaving the factory and being released to the inspection authority or consignee at the final delivery location.

### **6.14 Shipping Instructions - Delivery at Destination**

The Contractor must ship the goods prepaid DDP - Delivered Duty Paid (... named place of destination). Unless otherwise directed, delivery must be made by the most economical means. The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including the payment of customs duties and Applicable Taxes.

The Contractor must deliver the goods by appointment only. The Contractor or its carrier must arrange delivery appointments by contacting the person identified in Annex B - Pricing. The consignee may refuse shipments when prior arrangements have not been made.

### **6.16 Post-Contract Award Meeting**

Within ten (10) calendar days from the effective date of the Contract, the Contractor must contact the Contracting Authority to determine if a post-contract award meeting is required. A meeting will be convened at the discretion of the Technical Authority after contract award to review technical and contractual requirements. The Contractor must be responsible for the preparation and distribution of the minutes of meeting within five (5) calendar days after the meeting has been held. The meeting will be held at the Contractor's facilities or at Agriculture and Agri-Food Canada 's facility or via teleconference, at Canada's discretion at no additional cost to Canada, with representatives of the Contractor, the Agriculture and Agri-Food Canada and Public Works and Government Services Canada.

### **6.17 Progress Reports**

The Contractor must prepare and submit a monthly progress report electronically to the Procurement Authority, Technical Authority and Contracting Authority.

The Contractor must answer the following questions:

- (i) Is the delivery of the vehicle/equipment and ancillary items on schedule?
- (ii) Is this requirement free of any areas of concern in which the assistance or guidance of Canada may be required?

Each negative response must be supported with an explanation.

#### **6.18 Dispute Resolution**

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

#### **6.19 Tools and Loose Equipment**

For shipment verification, all items and tools, which are shipped loose with the vehicle/equipment must be listed on an attached packing note.

#### **6.20 Assembly/Preparation at Delivery**

If assembly/preparation is required at delivery, the Contractor must contact the Contracting Authority to make arrangements. If required, the Contractor must send a Service Representative to each delivery destination to perform the assembly/preparation on all vehicles/equipment delivered. The assembly/preparation must be performed at no additional cost to Canada.

#### **6.21 Interchangeability**

Unless changes during the production run are authorized by the Contracting Authority, all vehicles/equipment supplied against any one item of a contract must be the same make and model, and all like assemblies, sub-assemblies and parts must be interchangeable.

## **ANNEX A – STATEMENT OF REQUIREMENT**

For the supply and delivery of one (1) new 2020 **Corn Research Precision Vacuum plot Planter** (4 row unit) to Agriculture and Agri-Food Canada, Ottawa Research and Development Centre, located in Ottawa, Ontario, 960 Carling Ave., K1A 0C6, is requested by September 15<sup>th</sup>, 2021.

The supply of spare parts is requested within 24 hours.

- **SPECIFICATIONS**

- 1. **Standard Design**

- 1.1. The **Corn Research Row Planter** must be surface contact driven using 2 wheels, which must have constant contact with the soil surface at all times to ensure consistent seeding operation. The intended use will be for planting research plots in corn at 30" spacing (76.2 cm).

- 1.2. The **Planter** must conform to all applicable laws, regulations and industrial standards governing manufacture, safety, noise levels and pollution in effect in Canada at the time of manufacture.

- 1.3. The **Planter** and accessories must operate in accordance with all original equipment manufacturers' (OEM) rated capacities and performance specifications.

- 1.4. The row unit must contain a seed tube delivery system, an electric drive system, and an automatic downforce system.

- 1.5. The planter must have markers to assist the operator to center the tractor in the field for the next pass.

- 2. **Seed Distribution/Platform**

- 2.1. The **Planter** must be equipped with the following:

- a) a splitter system to allow two (2) person operation, and each operator to feed one packet to be split into two rows; and

- b) have the ability to quickly change to single row applications in which case four (4) funnels and four person are required on the planter's platform.

The platform must include two seats for situation a) and four seats for situation b).

- 2.2. The operating area must be equipped with a safety aluminum platform, adjustable seat positions and safety rails for operator protection during planting operation. Operator's platform also includes a ladder assembly that is adjustable and allow safe access to the platform.

- 2.3. The platform must also be equipped with (4) adjustable width 15" – 30" seed packet holder that can be adjusted without any tools.

2.4. The **Planter** must include (5) wired style headsets for the tractor operator and planter operators to communicate. These units must be “Noise Cancelling”.

2.5. The **Planter** must have a control system that allows multiple population rates and allows population rates to be adjusted “On the Go” from the control screen.

2.6. The **Planter** must be equipped with two monitors to display the planter performance, one for installation in the tractor’s cabin, and the other one on the planter. All ancillary accessories must be provided for a complete installation of the monitors.

2.7. The **Planter** must be capable of planting variable plot lengths ranging from 1 meter to 8 meters using a computer controlled Hydraulic drive transmission to ensure consistent plot lengths while planting plots.

2.8. System must be equipped with a “Field Plot Mapping” software.

2.9. The **Planter** must have antistatic seed tubes and transparent connectors for seed tubes.

2.10. All necessary planting controls must be within reach to allow for safe and comfortable operation for up to 4 person operation of the unit. Necessary planting controls are as follows: planter monitors, seed packet holders, remote control for main control box and head set control boxes.

### **3. Dimensions**

The **Planter** must conform with the following:

3.1. Overall length from hitch mount to rear most-point of planter must not exceed - 8’ length (244 cm)

3.2. Overall height of seeder must not exceed - 9’ Height (275 cm)

3.3. Total width of machine width must not exceed - 13’ wide (396.5 cm)

### **4. Adjustable Depth**

4.1. The **Planter** must be adjustable to ensure proper and precise planting in various soil types and soil preparation conditions ranging from minimum to conventional tillage. The seeder must include four (4) adjustable down pressure springs (one spring for each seeding unit).

### **5. Power Unit Compatibility**

5.1. All the planter requested accessories must be compatible with the power unit (John Deere 5075M tractor. Power unit specifications are attached in a separate document for bidders (Refer to Appendix A). It is the bidder’s responsibility to ensure performance compatibility.

### **6. Frame/Mounting**

6.1. The Planter will have mounting capabilities on client owned agricultural tractor listed in Appendix A, using a pull (tow behind) hitch system. The planter frame must be constructed with

a minimum of 7" x 7" steel square tubing suitable for mounting and supporting requested configuration of planting units, disc openers, seed grain boxes, complete operator station and operator(s).

## 7. Planting Units

7.1. The planter must have 4 planting units utilizing double disc openers. The units must be set to allow row spacing of 30"(76.2cm). Each row unit must be depth adjustable using a quick-adjust system that requires no tools. Seeding depth must be adjustable from at least 12.7 mm to 63.5 mm (0.5" to 2.5"). Seeding units must have true wheel style rubber packing wheels.

## 8. Precision Planting units

8.1. Planter must be equipped with a vacuum style precision seeders (4) that allows for precise seed placement of corn.

8.2. Vacuum system includes vacuum, fan tubes to each row and a tank for all discarded seed

8.3. Vacuum seeding units must use a single pneumatic cylinder to load and discard seed. With limited capacity of the Tractor for air supply, multiple pneumatic cylinders will not be acceptable on each seeding unit. The air compressors and the air required for the planting units must be able to run on the John Deere 5075M tractor in Appendix A.

8.4. Adjustable singulator for each seeding unit for multiple seed sizes being planted for research, is a requirement. Would prefer that the seed unit parts including: singulator, seed plate, drive system is a commercially available replacement part, to allow quick access to parts from local dealers.

8.5. Multiple seed plates for corn must be provided for the different research plots being planted: - Minimal Seed plates that must be included: (4) 12 hole, (4) 5 hole and (4) 24 hole plates

8.6. A 12 Volt air compressor with built in tank reservoir requirement with planter frame must be provided.

8.7. Each planter unit should be equipped with a bulk seeder, no smaller than 1000cm<sup>3</sup> in size.

## 9. Accessories

9.1. The **Planter** must be equipped with adjustable storage jacks or legs which will support the planter safely and securely when unmounted from the agricultural tractor (power unit).

9.2. The tripping system must have the ability to trigger the planter by mechanical or electronic input from wheel sensor or other device on the planter. Planter must be GPS ready and trigger from output signal from GPS.

## 10. INTEGRATED LOGISTIC ITEMS

### **10.1 Contractor Documentation and Integrated Logistic Items**

#### **10.2 Items supplied with Each Vehicle**

The following items must be included with the **Planter**:

- Operator's Manuals - An operator's manual English in a single binder; for the safe equipment operation including all supplied attachments. In addition to the paper copy of the operator's manual, provide a digital/electronic copy.
- Maintenance/Parts Manuals – English digital/electronic maintenance and parts manuals required for maintenance and repair of the **Planter**, features and accessories.

#### 10.3 Training Familiarization

The contractor will provide all of the below.

- The Contractor **must** supply a familiarization course in English;
- The course instructor **must** be an OEM Factory Certified Training Provider;
- The familiarization course **must** include operation and maintenance segments demonstrating all safety measures required for safe equipment use, instructions on the use of all features and accessories provided and maintenance;
- The instructor **must** supply responses to questions;
- The familiarization course **must** have a minimum duration of eight (8) hours;
- The familiarization course **must** accommodate up to eight (8) personnel;
- The familiarization course **must** be supplied at the delivery destination, or by virtual means if restrictions do not permit travel. The training delivery method will be confirmed by the Technical Authority.
- The date for the familiarization course **must** be arranged with the **Technical Authority**.

Appendix A

**JOHN DEERE 5075M TRACTOR**

**Engine Power:** 75HP

**Std. Transmission:** Open Center

**Rear PTO:** independent electrohydraulic

**Wheel Base:** 217cm

All specs for the tractor available at:

[TractorData.com](http://TractorData.com) [John Deere](http://JohnDeere.com) 5075M tractor information

## **ANNEX B – PRICING**

### **Item 001 – Corn Research Precision Vacuum plot Planter (Firm Quantity)**

The Contractor must deliver one (1) Corn Research Precision Vacuum plot Planter and ancillary items such as, but not limited to, vehicle manuals, data summary, photographs, preventive maintenance replacement parts kit list, warranty letter(s) and Initial Parts Kits, in accordance with the attached Statement of Requirement.

The Corn Research Precision Vacuum plot Planter and ancillary items must be delivered to:

960 Carling Avenue, Building 99  
Ottawa, Ontario  
K1A 0C6

The contact person at destination is: (to be inserted by PWGSC).

Firm price of \$\_\_\_\_\_ for Corn Planter/equipment and ancillary items, Delivered Duty Paid (... named place of destination), in accordance with Part 6, Basis of Payment Type 1.

Manufacturer: (to be inserted by PWGSC) Model: (to be inserted by PWGSC)

### **Item 002 - Training**

The Contractor must provide the training, in accordance with the attached Statement of Requirement for Corn Research Precision Vacuum plot Planter, and in accordance with the Basis of Payment Type for the related training supplied.

The option and final schedule will be determined with the Technical Authority.

Training must be completed within two months after delivery of equipment/vehicle.

### **Option 1 - Virtual Training**

If this option is retained, the Contractor must provide the training, in accordance with the attached Statement of Requirement for the Corn Research Precision Vacuum plot Planter, and in accordance with Part 6, Basis of Payment Type 1.

The Contractor must provide a Familiarization training at the Firm price of \$\_\_\_\_\_ (all inclusive).

**Or**

### **Option 2 - In-Person Training**

If this option is retained, the Contractor must provide the training, in accordance with the attached Statement of Requirement for the Corn Research Precision Vacuum plot Planter, and in accordance with Part 6, Basis of Payment Type 1.

The Contractor must provide a Familiarization training at the Firm price of \$\_\_\_\_\_ (all inclusive).

## **ANNEX C - ELECTRONIC PAYMENT INSTRUMENTS**

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

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