



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada
Government of Canada Building
101 - 22nd Street East, Suite 110
Saskatoon
Sask.
S7K 0E1
Bid Fax: (306) 975-5397

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

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/Réception
des soumissions Travaux publics et Services
gouvernementaux Canada
Government of Canada Building
101 - 22nd Street East
Suite 110
Saskatoon
Saskatche
S7K 0E1

Title - Sujet Space Planter	
Solicitation No. - N° de l'invitation 01581-160717/A	Date 2015-12-17
Client Reference No. - N° de référence du client 01581-160717	
GETS Reference No. - N° de référence de SEAG PW-\$STN-201-4844	
File No. - N° de dossier STN-5-38086 (201)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-01-27	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: Marsland, Rina	Buyer Id - Id de l'acheteur stn201
Telephone No. - N° de téléphone (306) 241-5742 ()	FAX No. - N° de FAX (306) 975-5397
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Department of Agrifood and Agriculture #1 Airport Road, Gate 4 Swift Current, SK S9H 3X2	

Instructions: See Herein

Instructions: Voir aux présentes

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

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION	3
1.1 REQUIREMENT	3
1.2 DEBRIEFINGS	3
1.3 TRADE AGREEMENTS	3
PART 2 - BIDDER INSTRUCTIONS	4
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS	4
2.2 SUBMISSION OF BIDS	4
2.3 ENQUIRIES - BID SOLICITATION	4
2.4 APPLICABLE LAWS	4
PART 3 - BID PREPARATION INSTRUCTIONS	5
3.1 BID PREPARATION INSTRUCTIONS	5
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION	6
4.1 EVALUATION PROCEDURES	6
4.2 BASIS OF SELECTION	6
PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION	7
5.1 CERTIFICATIONS REQUIRED WITH THE BID	7
5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION	7
PART 6 - RESULTING CONTRACT CLAUSES	8
6.1 SECURITY REQUIREMENTS	8
6.2 REQUIREMENT	8
6.3 STANDARD CLAUSES AND CONDITIONS	8
6.4 TERM OF CONTRACT	8
6.5 AUTHORITIES	8
6.6 PAYMENT	9
6.7 INVOICING INSTRUCTIONS	10
6.8 CERTIFICATIONS	10
6.9 APPLICABLE LAWS	10
6.10 PRIORITY OF DOCUMENTS	10
6.11 SACC MANUAL CLAUSES	11
ANNEX "A"	12
REQUIREMENT	12
ANNEX "B"	15
BASIS OF PAYMENT	15
ANNEX "C"	16
MANDATORY TECHNICAL CRITERIA	16

PART 1 - GENERAL INFORMATION**1.1 Requirement**

The requirement is detailed under Annex A of the resulting contract clauses.

1.2 Debriefings

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

1.3 Trade Agreements

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).

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>) 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 (2015-07-03) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: 90 days

2.1.1 SACC Manual Clauses

B3000T (2006-06-16), Equivalent Products

2.2 Submission of Bids

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

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 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 question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

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

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

Section I: Technical Bid (one hard copy)

Section II: Financial Bid (one hard copy)

Section III: Certifications (one hard copy)

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

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

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

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

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

Section I: Technical Bid

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

Section II: Financial Bid

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

3.1.1 Exchange Rate Fluctuation

C3011T (2013-11-06), Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

1. The bidder must meet all the mandatory technical criteria listed in Annex C, Mandatory Technical Criteria.

4.1.2 Financial Evaluation

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

4.2 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.

The lowest evaluated price will be determined by:

The lowest priced all inclusive bid for the requirement in Annex A.

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 Declaration of Convicted Offences

As applicable, pursuant to subsection Declaration of Convicted Offences of section 01 of the Standard Instructions, the Bidder must provide with its bid, a completed Declaration Form (<http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-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 – List of Names

Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder.

Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).

Bidders bidding as societies, firms or partnerships do not need to provide lists of names.

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 (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from Employment and Social Development Canada (ESDC) - 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.

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

6.1.1 There is no security requirement applicable to this Contract.

6.2 Requirement

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

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

2010A (2015-09-03), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Delivery Date

While delivery is requested by April 29, 2016 the best delivery that could be offered is _____.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Rina Marsland
Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch – Western Region
Government of Canada Building
101 22nd St E, Suite 110
Saskatoon, SK S7K 0E1

Telephone: 306-241-5742
Facsimile: 306-975-5397
E-mail address: rina.marsland@pwgsc-tpsgc.gc.ca

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

6.5.2 Project Authority

The Project Authority for the Contract is:

- **To be determined**

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative

(Offeror to complete)

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone: _____

Facsimile: _____

E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price as specified in Annex B for a cost of **\$ to be determined**. Customs duties are included and Applicable Taxes are extra.

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

6.6.2 Limitation of Price

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

6.6.3 Single Payment

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

6.6.4 SACC Manual Clauses

SACC Manual Clause C2000C (2007-11-30), Taxes – Foreign Based Contractor

SACC Manual Clause C2605C (2008-05-12), Canadian Customs Duties and Sales Tax - Foreign-based Contractor.

6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - a. The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
 - b. One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.8 Certifications

6.8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, or if 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.

6.9 Applicable Laws

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

6.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions 2010A (2015-09-03), Goods, Medium Complexity
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) Annex C, Mandatory Technical Requirements
- (f) the Contractor's bid dated _____

6.11 SACC Manual Clauses

A9068C (2010-01-11), Government Site Regulations

B1501C (2006-06-16), Electrical Equipment

B7500C (2006-06-16), Excess Goods

G1005C (2008-05-12), Insurance

ANNEX "A"**REQUIREMENT**

For the supply and delivery of one (1) new Space Planter to Agriculture and Agri-Food Canada, located at the Semi-arid Prairie Agricultural Research Centre in Swift Current, Saskatchewan as detailed herein.

Delivery is requested on or before April 29, 2016.

The Crown is under NO obligation to seek clarification of the bid(s) or the supporting technical documentation provided. Bidders should note that failure to demonstrate any capability to which they claim compliance will result in their proposal being considered non-responsive. Canada reserves the right to reject any bid which does not comply with this solicitation. Any deviation is to be clearly identified and supported with full details.

1. Space Planter**Mandatory Technical Requirements**

- 1.1 Space Planter proposed must be the manufacturer's most recently available model year.
- 1.2 The planter must be constructed of an appropriate gauge of metal to withstand the shock which will be encountered during normal use and being transported over rough roads on a flatbed.
- 1.3 Double disk openers must be mounted on the tool bar to allow easy adjustment to different row spacing.
- 1.4 The unit must be a 3 point hitch type unit. The unit must be able to be lifted by a category 2 three-point hitch tractor.
- 1.5 Must have a dual drive ground drive system for the seeder drive.
- 1.6 Track width must be 2.3m (centre to centre of the two outside seeding runs).
- 1.7 Must provide nine (9) GREAT PLAINS 20, or equivalent, double disk openers with 'v' style packer wheels, row spacing of 23 cm (9 inches) deposition depth max. 8 cm, depth guide via stop, depth control roller. Row setup is as follows:

Row 1 – Spreader mix
 Row 2 – Winter Wheat
 Row 3 – Precision space planted
 Row 4 – Winter Wheat
 Row 5 – Precision space planted
 Row 6 – Winter Wheat
 Row 7 – Precision space planted
 Row 8 – Winter Wheat
 Row 9 – Precision space planted
 Row 10 – Winter Wheat
 Row 11 – Spreader mix

-
- 1.8 Rows 1 and 11 can be a shoe type that is liftable or removable. We need to be able to operate the planter with Rows 1 and 11 not engaging the soil. Openers must be suitable for the dark brown soils of Saskatchewan.
- 1.9 Precision space planted rows shall be a vacuum type seed singulation, dropping a seed every 14 cm (5.5"). Seeds must be in position to start planting at the start of each row without manually advancing the drive wheel. The excess seed must be able to be sucked back into a container with no remaining seeds left at the disc. Each row must have its own receiving container so that the seed from the rows isn't mixed. Must include antistatic, flexible seed tubes.
- 1.10 Seed distribution system:
- 1.10.1 Precision space planted rows:
- Shall have 2 filling systems for the space planted rows.
- Single funnels - one filling funnel per row
 - Central seed distributor – one filling funnel for all four rows
- 1.10.2 Winter wheat rows:
- Shall be either one drill box for all five rows, or five individual boxes, one for each row, seeding at a rate that is adjustable from 20 to 60 seeds per metre.
 - Adjustment must be by gear box or by changing sprockets
 - The option to seed at 20, 30, 40, 50 and 60 seeds per metre must be included.
 - Adjustment must not be made by a zero-max.
- 1.10.3 Spreader Rows:
- Shall be one drill box for each row, seeding at a rate that is adjustable from 20 to 40 seeds per metre.
 - Adjustment must be by gear box or by changing sprockets
 - The option to seed at 20, 30 and 40 seeds per metre must be included.
 - Adjustment must not be made by a zero-max.
- 1.11 Must include a tray platform capable of holding a tray of seed, measuring 67x20x10cm (LxWxH), or trays that the manufacturer produces of a similar size.
- The minimum acceptable tray size would be 30x30cm and a height of 10cm.
 - The maximum acceptable would be 70x45 cm and a height of 15cm.
 - If supplier provides their own size of trays (other than 67x20x10cm) a minimum of 4 of these trays shall be provided.
- 1.12 Must include a marker disc on each side of the planter, adjustable so that Rows 1 and 11 (or Rows 2 and 10, if Rows 1 and 11 are lifted out of the ground) are seeded on top of each other. Each side must be operated by separate hydraulic circuits.

1.13 Must have an operator's platform which must include:

- a. padded operator's seat,
- b. foot rest
- c. steps to mount planter.

1.14 12 volt electronic control box must be compatible with any negative ground 12 volt tractor electrical systems. Control box must include button for triggering planter, and an alarm for malfunction of seed distribution and planting systems.

2. Other Mandatory Requirements:

- 2.1 Bidder must provide a one (1) year on-site warranty including travel, parts, labour and all other expenses included in the price.
- 2.2 The Contractor must have trained service personnel on site within 48 hours after receiving a call for service from Agriculture and Agri-Food Canada.
- 2.3 The Space Planter must be supplied with all attachments assembled, installed, completely serviced and ready for operation at time of delivery.
- 2.4 Operating, service and parts manuals must be supplied in English at time of delivery.

ANNEX "B"

BASIS OF PAYMENT

1. Price is to be all inclusive, including all parts, manuals, delivery and warranty as laid out in Annex A, Requirement.
2. Price is to be exclusive of GST, but is payable by Canada.
3. GST will be shown as a separate line on the invoice if applicable.

Item	Description	All Inclusive Price
1	Agriculture Space Planter, as per Annex A, Requirement.	\$
Total		\$

ANNEX "C"**MANDATORY TECHNICAL CRITERIA**

Bidders must provide as much detail as possible to support their comments / claims of compliance for each specification. If technical literature, etc. is provided, please reference the page number and highlight the specification that supports your compliance. If there is no technical literature to support a specification, you should indicate so.

1. SPACE PLANTER

ITEM	DESCRIPTION	MEETS	DOES NOT MEET	COMMENTS
1.1	Space Planter proposed must be the manufacturer's most recently available model year.			
1.2	The planter must be constructed of an appropriate gauge of metal to withstand the shock which will be encountered during normal use and being transported over rough roads on a flatbed.			
1.3	Double disk openers must be mounted on the tool bar to allow easy adjustment to different row spacing.			
1.4	The unit must be a 3 point hitch type unit. The unit must be able to be lifted by a category 2 three-point hitch tractor.			
1.5	Must have a dual drive ground drive system for the seeder drive			
1.6	Track width must be 2.3m. (centre to centre of the two outside seeding runs)			
1.7	Must provide nine (9) GREAT PLAINS 20, or equivalent, double disk openers with 'v' style packer wheels, row spacing of 23 cm (9 inches) deposition depth max. 8 cm, depth guide via stop, depth control roller. Row setup is as follows: Row 1 – Spreader mix Row 2 – Winter Wheat Row 3 – Precision space planted Row 4 – Winter Wheat Row 5 – Precision space planted Row 6 – Winter Wheat Row 7 – Precision space planted Row 8 – Winter Wheat Row 9 – Precision space planted Row 10 – Winter Wheat Row 11 – Spreader mix			

1.8	Rows 1 and 11 can be a shoe type that is liftable or removable. We need to be able to operate the planter with Rows 1 and 11 not engaging the soil. Openers must be suitable for the dark brown soils of Saskatchewan.			
1.9	<p>Precision space planted rows shall be a vacuum type seed singulation, dropping a seed every 14 cm (5.5").</p> <ul style="list-style-type: none"> - Seeds must be in position to start planting at the start of each row without manually advancing the drive wheel. - The excess seed must be able to be sucked back into a container with no remaining seeds left at the disc. - Each row must have its own receiving container so that the seed from the rows isn't mixed. - Must include antistatic, flexible seed tubes. 			
1.10	Seed distribution system:			
1.10.1	Precision space planted rows: Shall have 2 filling systems for the space planted rows.			
1.10.1a.	Single funnels - one filling funnel per row			
1.10.1b.	Central seed distributor – one filling funnel for all four rows			
1.10.2	Winter wheat rows:			
1.10.2.a.	Shall be either one drill box for all five rows, or five individual boxes, one for each row, seeding at a rate that is adjustable from 20 to 60 seeds per metre.			
1.10.2.b.	Adjustment must be by gear box or by changing sprockets			
1.10.2c.	The option to seed at 20, 30, 40, 50 and 60 seeds per metre must be included.			
1.10.2.d.	Adjustment must not be made by a zero-max.			
1.10.3	Spreader Rows:			
1.10.3.a.	Shall be one drill box for each row, seeding at a rate that is adjustable from 20 to 40 seeds per metre.			
1.10.3.b.	Adjustment must be by gear box or by changing sprockets			

1.10.3.c.	The option to seed at 20, 30 and 40 seeds per metre must be included			
1.10.3.d.	Adjustment must not be made by a zero-max.			
1.11	<p>Must include a tray platform capable of holding a tray of seed, measuring 67x20x10cm (LxWxH), or trays that the manufacturer produces of a similar size.</p> <ul style="list-style-type: none"> - The minimum acceptable tray size would be 30x30cm with a height of 10cm. - The maximum acceptable would be 70x45 cm with a height of 15cm. - If supplier provides their own size of trays (other than 67x20x10cm) a minimum of 4 of these trays shall be provided. 			
1.12	<p>Must include a marker disc on each side of the planter, adjustable so that Rows 1 and 11 (or Rows 2 and 10, if Rows 1 and 11 are lifted out of the ground) are seeded on top of each other.</p> <p>Each side must be operated by separate hydraulic circuits.</p>			
1.13	Must have an operator's platform which must include:			
1.13.a.	padded operator's seat,			
1.13.b.	foot rest			
1.13.c.	step to mount planter.			
.14	<p>Must have a 12 volt electronic control box must be compatible with any negative ground 12 volt tractor electrical systems.</p> <p>Control box must include button for triggering planter, and an alarm for malfunction of seed distribution and planting systems.</p>			
2.	Other Mandatory Requirements			
2.1	Bidder must provide a one (1) year on-site warranty including travel, parts, labour and all other expenses included, in the bid price.			

2.2	The Contractor must have trained service personnel on site within 48 hours after receiving a call for service from Agriculture and Agri-Food Canada.			
2.3	The Space Planter must be supplied with all attachments assembled, installed, completely serviced and ready for operation at time of delivery.			
2.4	Operating, service and parts manuals must be supplied in English at time of delivery.			