



**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

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Industrial Vehicles & Machinery Products Division
11 Laurier St./11, rue Laurier
7B1, Place du Portage, Phase III
Gatineau
Québec
K1A 0S5

Title - Sujet SMALL, WHEELED AGRICULT. TRACTORS	
Solicitation No. - N° de l'invitation W8476-175548/B	Date 2017-01-19
Client Reference No. - N° de référence du client W8476-175548	
GETS Reference No. - N° de référence de SEAG PW-\$\$HS-604-72255	
File No. - N° de dossier hs604.W8476-175548	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-02-16	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Plant-Usine: <input checked="" type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Bertrand(hs604), Alain	Buyer Id - Id de l'acheteur hs604
Telephone No. - N° de téléphone (873) 469-3357 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

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

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This bid solicitation cancels and supersedes previous bid solicitation number W8476-175548/A dated 2016-10-18 with a closing of 2016-11-29 at 2 pm EST. A debriefing or feedback session will be provided upon request to bidders/offerors/suppliers who bid on the previous solicitation.

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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 - Pricing, Annex B - Federal Contractors Program for Employment Equity - Certification, the purchase description, the technical information questionnaire.

1.2 Summary

The Department of National Defence has a requirement to purchase six (6) agricultural tractors wheeled and ancillary items, including familiarization instruction, in accordance with the Purchase Description Tractor, Agricultural, Small, Wheeled, dated 2016-08-30, and as described at Annex A - Pricing.

The requirement includes an option to purchase up to six (6) agricultural tractors wheeled and ancillary items to be exercised within twelve (12) months from the effective date of the contract.

1.3 Trade Agreements

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-Colombia Free Trade Agreement (CCFTA), the Canada-Peru Free Trade Agreement (CPFTA), the Canada-Panama Free Trade Agreement (CPAFTA) and the Agreement on Internal Trade (AIT).

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.

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 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 (2016-04-04) 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: Bids will remain open for acceptance for a period of not less than sixty (60) days from the closing date of the bid solicitation

Insert: Bids will remain open for acceptance for a period of not less than ninety (90) calendar days from the closing date of the bid solicitation

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 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 Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications, Statement of Work or Purchase Description 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

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

First page of the Request for Proposal signed by the bidder or an authorized representative of the Bidder (1 signed copy)

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)

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

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

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders 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 Technical Information Questionnaire for which they are submitting a bid.

3.1.1 Substitutes and Alternatives

- 1. Substitutes and alternatives that are equivalent in form, fit, function, quality and performance will be considered for acceptance by the Technical Authority where the Bidder:

- (a) Clearly identifies a substitute and/or an alternative;
 - (b) Designates the brand name, model and/or part number of the substitute and/or of the product, where applicable;
 - (c) States that the substitute product is fully interchangeable with the item specified in the technical requirement description;
 - (d) Provides complete specifications and brochures, where applicable;
 - (e) Provides compliance statements that include technical details showing the substitute and/or the alternative meet all technical requirements specified in the technical requirement description; and
 - (f) Clearly identifies those areas in the technical requirement description and in the brochures that support the substitute and/or the alternative compliance with the technical requirements.
2. Substitutes and alternatives offered as equivalent in form, fit, function quality and performance will not be considered for acceptance by the Technical Authority if:
- (a) The bid fails to provide all of the information requested to allow the Technical Authority to fully evaluate the equivalency; or
 - (b) The substitute and/or the alternative fail to meet or fail to exceed the technical requirements specified in the technical requirement description.
3. Bidders are encouraged to offer or suggest green products whenever possible.


Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment specified in Part 6 and Annex A - Pricing. The total amount of Applicable Taxes must be shown separately.


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

3.1.2 SACC Manual Clauses

3.1.2.1 Exchange Rate Fluctuation Risk Mitigation

- 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 PWGC-TPSGC 450 , 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.

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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 [PWGSC-TPSGC 450](#) , 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

3.1.3.1 Firm Quantity

While delivery of the equipment/vehicle is requested by 31 March 2017, the best delivery that could be offered is as follows:

Item 001 – Six (6) agricultural tractor wheeled and ancillary items will be delivered within _____ weeks/calendar days from the effective date of the contract.

3.1.3.2 Optional Quantity

The best delivery that could be offered is as follows:

Item 002 - If an option is exercised, up to six (6) agricultural tractors wheeled and ancillary items will be delivered within _____ weeks/calendar days.

3.1.4 Supplier Contacts

Name and telephone number of the person responsible for:

General enquiries

Name: _____

Telephone No.: _____

Facsimile No.: _____

E-mail address: _____

Delivery follow-up

Name: _____

Telephone No.: _____

Facsimile No.: _____

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E-mail address: _____

3.1.5 After Sales Service for LFCA TC Meaford, ON

Canada requests that the Bidder provide 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, which should not be more than 100 kilometres.

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

Name: _____

Address: _____

Telephone No.: _____

After Sales Service for USS St-Jean, Richelain, QC

Canada requests that the Bidder provide 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, which should not be more than 100 kilometres.

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

Name: _____

Address: _____

Telephone No.: _____

After Sales Service for CFB/ASU Wainwright, Denwood, AB

Canada requests that the Bidder provide 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, which should not be more than 100 kilometres.

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

Name: _____

Address: _____

Telephone No.: _____

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 or 1000 hours of usage, whichever comes first. 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.

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3.1.7 Extended Warranty Period

Canada requests that the Bidder indicate if an extended warranty period is being offered that exceeds the minimum warranty period of twelve (12) months or 1000 hours of usage, whichever comes first.

If yes, Canada requests that the Bidder provide details and pricing information of any extended warranty period available for the vehicle/equipment and any ancillary items.

Any extended warranty period offered will not be included in the financial evaluation.

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 Mandatory Technical Evaluation Criteria

4.1.1.1 Mandatory Proof of Compliance

Bidders must submit, with their bid, all proof of compliance required in the Purchase Description and the Technical Information Questionnaire.

4.1.1.2 Substitutes and/or Alternatives

Bidders proposing substitutes and/or alternatives must provide with their bid, all the information as detailed in Part 3, Section 1, - Substitutes and Alternatives to be considered for evaluation.

4.1.2 Mandatory Financial Evaluation Criteria

4.1.2.1 Bidders must provide with their bid all financial information requested in the bid solicitation and at Annex A - Pricing for items 001, 002 and 004.

4.1.2.2 The prices of the bid must be in Canadian dollars, DDP Delivered Duty Paid at destination, Incoterms 2000, for item 001 the firm quantity and FCA Free Carrier at Contractor's Canadian facility or the Contractor's Canadian Distribution Point, Incoterms 2000 for items 002 (optional quantity) and 004 (optional familiarization instruction), Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

4.1.3 Evaluated Aggregate Price

Bids will be evaluated on an aggregate price basis for the firm quantity, the optional quantity and familiarization instructions (option) as follows:

- a) the firm lot prices for the firm quantity will be multiplied by their identified quantities to obtain the evaluated price of the firm quantity;
- b) the firm lot prices for the optional quantity will be multiplied by the identified estimated quantity to obtain the evaluated price of the optional quantity;
- c) the firm unit prices for the familiarization instruction (option) will be multiplied by the identified estimated quantity to obtain the evaluated price of the familiarization instruction/training (option).;
- d) the sum of all evaluated prices 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 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 – Required Documentation

In accordance with the Ineligibility and Suspension Policy (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list (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.

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Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

5.2.3 Additional Certifications Precedent to Contract Award

5.2.3.1 Product Conformance

The Bidder certifies that all vehicles/equipment proposed conform, and will continue to conform throughout the duration of the contract, to all technical specifications of the purchase description(s).

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.

Bidders' 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.

Green Practices within the Bidders' organization	Insert a checkmark for each criterion that is met
Promotes a paperless environment through directives, procedures and/or programs	

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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.	

Bidders' Authorized Representative Signature

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 associated with this bid solicitation.

6.2 Requirement - Contract

The Contractor must deliver six (6) agricultural tractors wheeled and ancillary items, including familiarization instruction, in accordance with the Purchase Description Tractor, Agricultural, Small, Wheeled dated 2016-08-30, and at Annex A - Pricing.

An option is included to purchase up to six (6) vehicles and ancillary items to be exercised within twelve (12) months from the effective date of the contract.

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.

6.2.2 Optional Goods and/or Services

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described herein under the same conditions and at the prices and or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The option may be exercised at the discretion of Canada in whole or in part or in more than one occasion, up to the maximum quantity identified herein.

The Contracting Authority may exercise the option within twelve (12) months after contract award by sending a written notice to the Contractor.

The Contractor must advise the Technical Authority and Contracting Authority of any design updates that could affect the procurement of additional vehicles/equipment.

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

Section 09 entitled Warranty of General Conditions 2010A is amended as follows:

At subsection 1, delete the following: "The warranty period will be twelve (12) months" and replace with the following: "The warranty period will be twelve (12) months, or 1,000 hours of usage, whichever comes first".

Delete subsection 2 in its entirety and replace with the following:

The Contractor must pay the transportation cost associated with returning the Work or any part of the Work to the Contractor's plant for replacement, repair or making good. The Contractor must also pay the transportation cost associated with forwarding the replacement or returning the Work or part of the Work when rectified to the delivery point specified in the Contract or to another location as directed by Canada. If, in the opinion of Canada, it is not expedient to remove the Work from its location, the Contractor must carry out any necessary repair or making good of the Work at that location. In such cases, the Contractor will be responsible for all Costs (including travel and living expenses) incurred in so doing, Canada will not reimburse these Costs.

If action to effect repairs under warranty cannot be initiated within two (2) working days and completed within a reasonable length of time or if the Contractor has no repair facilities in the immediate vicinity (within 100 kilometres) of the specified delivery destinations (consignees), Canada reserves the right to make such repairs and be reimbursed by the Contractor at the rate of \$103.91 per hour for labour and the cost for replaced parts."

All other provisions of the warranty section remain in effect.

6.4 Term of Contract

6.4.1 Delivery Date

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

Firm Quantity

Item 001 – Six (6) agricultural tractors wheeled and ancillary items must be delivered within to be inserted by PSPC weeks/calendar days from the effective date of the contract.

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Optional Quantity

Item 002 - If the option is exercised, up to six (6) agricultural tractor wheeled and ancillary items must be delivered within to be inserted by PSPC weeks/calendar days after an option is exercised.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Alain Bertrand
Supply Specialist
Public Services and Procurement Canada
Acquisitions Branch
LEFTD - HS Division
Place du Portage, Phase III, 7B1
Gatineau, Quebec K1A 0S5
Telephone: 873-469-3357
Facsimile: 819-956-5227
E-mail address: alain.bertrand@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 PSPC

DLP
National Defence Headquarters
Mgen. George R. Pearkes Building
101 Colonel By Drive
Ottawa, Ontario K1A 0K2
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.

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6.5.3 Technical Authority

The Technical Authority for the Contract is:

To be inserted by PSPC

National Defence Headquarters

Mgen. George R. Pearkes Building

101 Colonel By Drive

Ottawa, Ontario K1A 0K2

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: To be inserted by PSPC

Telephone No.:

Facsimile No.:

E-mail address:

Delivery follow-up

Name: To be inserted by PSPC

Telephone No.:

Facsimile No.:

E-mail address:

6.5.5 After Sales Service for LFCA TC Meaford, Meaford, ON

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: to be inserted by PSPC km

Name:

Address:

Telephone Number:

After Sales Service for USS St-Jean, Richelain, QC

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:

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Distance between the delivery location and the dealer and/or agent: to be inserted by PSPC km

Name:

Address:

Telephone Number:

After Sales Service for LFCFB/ASU Wainwright, Denwood, AB

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: to be inserted by PSPC km

Name:

Address:

Telephone Number:

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 the firm price(s) specified in Annex "A" - Pricing, and as follows:

6.6.1.1 Basis of Payment (BOP) Type 1

Firm lot 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.

6.6.1.2 Basis of Payment (BOP) Type 2

Firm lot prices in Canadian dollars, FCA Free Carrier, Incoterms 2000 at Contractor's Canadian facility or Contractor's Canadian distribution point, including Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

6.6.1.3 Basis of Payment (BOP) Type 3

Price to be negotiated 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.

The transportation cost will be "negotiated" when Canada intends to exercise an option and has identified the applicable quantities and destinations. When requested by Canada, as a basis for negotiation, the Contractor must provide the transportation price(s) and relevant information.

6.6.1.4 Basis of Payment (BOP) Type 4

The Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the National Joint Council Travel Directive (<http://www.njc->

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cnm.gc.ca/directive/index.php?sid=90&hl=1&lang=eng), and with the other provisions of the directive referring to "travellers", rather than those referring to "employees".

All travel must have the prior authorization of the Technical Authority. All payments are subject to government audit.

When requested by Canada, the Contractor must provide an estimated cost and relevant information for the travel and living.

6.6.2 SACC Manual Clauses

SACC Reference	Title	Date
C6000C	Limitation of Price	2011-05-16
H1001C	Multiple Payment	2008-05-12

6.6.3 Exchange Rate Fluctuation Adjustment

1. The foreign currency component (FCC) is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuation. 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.
2. For each line item where a FCC is identified, Canada assumes the risks and benefits for exchange rate fluctuation, as shown in the Basis of Payment. For such items, the exchange rate fluctuation amount is determined in accordance with the provision of this clause.
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 provisions in the contract. The exchange rate adjustment amount will be calculated in accordance with the following formula:

$$\text{Adjustment} = \text{FCC} \times \text{Qty} \times (i_1 - i_0) / i_0$$
 where formula variables correspond to:

FCC

Foreign Currency Component (per unit)

i_0

Initial exchange rate (CAN\$ per unit of foreign currency [e.g. US\$1])

i_1

exchange rate for adjustments (CAN\$ per unit of foreign currency [e.g. US\$1])



Qty

quantity of units

4. The initial exchange rate is typically set as the noon rate as published by the Bank of Canada on the solicitation closing date.
5. For goods, the exchange rate for adjustment will be the noon rate as published by the Bank of Canada on the date the goods were delivered. For services, the exchange rate for adjustment will be

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the noon rate on the last business day of the month for which the services were performed. For advance payments, the exchange rate for adjustment will be the noon rate on the date the payment was due. The most recent noon rate will be used for non-business days.

6. The Contractor must indicate the total exchange rate adjustment amount (either upward, downward or no change) as a separate item on each invoice or claim for payment submitted under the Contract. Where an adjustment applies, the Contractor must submit with their invoice form PWGSC-TPSGC 450 , Claim for Exchange Rate Adjustments.
7. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease), calculated in accordance with column 8 of form PWGSC-TPSGC 450  (i.e. $[i_1 - i_0] / i_0$).
8. Canada reserves the right to audit any revision to costs and prices under this clause.

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.

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6.7.2 Holdback

1. Canada will apply a ten (10) percent holdback on any due payment for the vehicle/equipment/service (Items 001 to 002) until delivery, inspection and acceptance of all ancillary items related to such vehicle/equipment/service.
2. Subsequent to delivery, inspection and acceptance of all ancillary items 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

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.

6.8.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "FCP Limited Eligibility to Bid" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms 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 (2016-04-04) General Conditions - Medium Complexity - Goods;
- (c) Annex A - Pricing;
- (d) Purchase Description for Tractor, Agricultural, Small, Wheeled dated 2019-08-30;
- (e) Annex B - Federal Contractors program for employment equity - Certification
- (f) The Contractor's bid dated (to be inserted by PSPC) _____, as amended (to be inserted by PSPC) _____.

6.11 SACC Manual Clauses

SACC Reference	Title	Date
A1009C	Work Site Access	2008-05-12
A9006C	Defence Contract	2012-07-16
A9049C	Vehicle Safety	2011-05-16
A9062C	Canadian Forces Site Regulations	2011-05-16
C2800C	Priority Rating	2013-01-28
C2801C	Priority Rating - Canadian Contractors	2011-11-27
D5545C	ISO 9001:2008 Quality Management Systems - Requirements (QAC C)	2010-08-16
G1005C	Insurance	2016-01-28

6.12 Inspection and Acceptance

The Technical Authority or his representative 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 it's representative. Should any report, document, good or service not be in accordance with the requirements of the Purchase Description 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

1. The vehicle/equipment shall 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.
2. All vehicles/equipment are to be delivered by appointment only. Any attempt by the carrier to deliver the vehicles/equipment without an appointment may be refused. When the carrier is required to return due to its failure to make an appointment for delivery, Canada will not be liable, to pay for any additional costs.

6.14 Shipping Instructions - Delivery at Destination

1. The Contractor must ship the goods prepaid DDP - Delivered Duty Paid (in accordance with Annex A - Pricing) as specified below. 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.
2. 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 A - Pricing. The consignee may refuse shipments when prior arrangements have not been made.

6.15 Delivery and Unloading

Delivery trucks must be equipped with an unloading device which will permit unloading at sites with no hydraulic, stationary or other type of unloading facility.

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 shall 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 the Department of National Defence facility or via teleconference, at Canada's discretion at no additional cost to Canada, with representatives of the Contractor, the Department of National Defence and Public Works and Government Services Canada.

6.17 Tools and Loose Equipment

For shipment verification, all items and tools, which are shipped loose with the vehicle/equipment must be listed on the Inspection Certificate (CF1280) or on an attached packing note.

6.18 Assembly/Preparation at Delivery

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.

6.19 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.

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ANNEX A - PRICING

Item 001 – Agricultural tractor wheeled (Firm Quantity)

The Contractor must deliver six (6) agricultural tractors wheeled and ancillary items such as but not limited to operator, maintenance and parts vehicle manuals, warranty letter, safety data sheet, keys and the initial parts kit including familiarization training, in accordance with the attached Purchase Description Tractor, Agricultural, Small, Wheeled dated 2016-08-30.

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

Destination A

One (1) small wheeled agricultural tractor – Configuration A1 and ancillary items must be delivered to:

LFCA TC Meaford
Major Equipment Section
Supply Section Bldg M210
MMTC
Meaford, ON N4L 1W5

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

Firm lot price of \$_____ per vehicle/equipment and ancillary items, Delivered Duty Paid (... named place of destination), in accordance with Part 6, Basis of Payment Type 1.

Destination B

One (1) small wheeled agricultural tractor – Configuration B1 and ancillary items must be delivered to:

USS St-Jean
5 GSS SVC SN Mat
Bldg H101
CF 100 Succ
Richelain QC J0J 1R0

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

Firm lot price of \$_____ per vehicle/equipment and ancillary items, Delivered Duty Paid (... named place of destination), in accordance with Part 6, Basis of Payment Type 1.

Destination B

One (1) small wheeled agricultural tractor – Configuration B2 and ancillary items must be delivered to:

USS St-Jean
5 GSS SVC SN Mat

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Bldg H101
CF 100 Succ
Richelain QC J0J 1R0

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

Firm lot price of \$_____ per vehicle/equipment and ancillary items, Delivered Duty Paid (... named place of destination), in accordance with Part 6, Basis of Payment Type 1.

Destination B

One (1) small wheeled agricultural tractor – Configuration B3 and ancillary items must be delivered to:

USS St-Jean
5 GSS SVC SN Mat
Bldg H101
CF 100 Succ
Richelain QC J0J 1R0

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

Firm lot price of \$_____ per vehicle/equipment and ancillary items, Delivered Duty Paid (... named place of destination), in accordance with Part 6, Basis of Payment Type 1.

Destination C

Two (2) small wheeled agricultural tractor – Configuration A2 and ancillary items must be delivered to:

CFB/ASU Wainwright Base Supply
Major Equipment Section
Bldg 593
Denwood, AB T0B 1B0

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

Firm lot price of \$_____ per vehicle/equipment and ancillary items, Delivered Duty Paid (... named place of destination), in accordance with Part 6, Basis of Payment Type 1.

Item 002 – Agricultural tractor wheeled (Optional Quantity)

If this option is exercised, the Contractor must deliver up to six (6) agricultural tractors wheeled and ancillary items such as but not limited to operator, maintenance and parts vehicle manuals, warranty letter, safety data sheet, keys and the initial parts kit excluding familiarization training, in accordance with the attached Purchase Description Tractor, Agricultural, Small, Wheeled dated 2016-08-30.

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For configuration A1 up to two (2)

Firm lot price of \$_____ per vehicle/equipment and ancillary items, at Contractor's Canadian facility or Contractor's Canadian distribution point in accordance with Part 6, Basis of Payment Type 2.

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

For configuration A2 up to two (2)

Firm lot price of \$_____ per vehicle/equipment and ancillary items, at Contractor's Canadian facility or Contractor's Canadian distribution point in accordance with Part 6, Basis of Payment Type 2.

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

For configuration B2 up to two (2)

Firm lot price of \$_____ per vehicle/equipment and ancillary items, at Contractor's Canadian facility or Contractor's Canadian distribution point in accordance with Part 6, Basis of Payment Type 2.

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

Item 003 - Transportation Cost (Optional Quantities)

If an option is exercised in accordance with item 002 above, the Contractor must deliver the vehicle/equipment to destination as follows:

Quantity: (to be inserted by PSPC if an option is exercised)

The small agricultural tractor and ancillary items must be delivered to:

(to be inserted by PSPC if an option is exercised)

The contact person at destination is: (to be inserted by PSPC if an option is exercised).

Negotiated price of \$(to be negotiated if an option is exercised) per vehicle/equipment, for transportation cost, Delivered Duty Paid (... named place of destination), in accordance with Part 6, Basis of Payment Type 3.

(Item 003 will not be included in the financial evaluation)

Item 004 - Familiarization Training (Option)

If this option is exercised, the Contractor must provide up to six (6) familiarization training, in accordance with the attached Purchase Description for Tractor, Agricultural, Small, Wheeled dated 2016-08-30.

Firm unit price of \$_____ per familiarization instruction/training in accordance with Part 6, Basis of Payment Type 2.

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Item 005 - Travel and Living Expenses – National Joint Council Directive, for Familiarization Instruction/Training (Option)

The Contractor must deliver the familiarization instruction/training to:

(to be inserted by PSPC if an option is exercised)

Estimated Cost: \$(to be inserted by PSPC if an option is exercised) in accordance with Part 6, Basis of Payment Type 4.

(Item 005 will not be included in the financial evaluation)

Item 006 – Extended Warranty Period

If the warranty period is extended for an additional period of _____ months/calendar days, the Contractor will be paid a firm unit price of \$_____ per vehicle/equipment, Goods and Services Tax or the Harmonized Sales Tax extra.

(Item 006 will not be included in the financial evaluation)

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ANNEX B
FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit Employment and Social Development Canada (ESDC)-Labour's website.

Date: _____ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- ☐ A1. The Bidder certifies having no work force in Canada.
- ☐ A2. The Bidder certifies being a public sector employer.
- ☐ A3. The Bidder certifies being a federally regulated employer being subject to the *Employment Equity Act*.
- ☐ A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).
- A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

- ☐ A5.1. The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with ESDC-Labour.

OR

- ☐ A5.2. The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- ☐ B1. The Bidder is not a Joint Venture.

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OR

- () B2. The Bidder is a Joint Venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)



NOTICE

This documentation has been reviewed by the Technical Authority and does not contain controlled goods.

AVIS

Cette documentation a été révisée par l'Autorité technique et ne contient pas de marchandises contrôlées.

ANNEX B

PURCHASE DESCRIPTION

TRACTOR, AGRICULTURAL, SMALL, WHEELED

1. SCOPE

1.1 Scope - This purchase description covers the requirements for small, wheeled agricultural tractors.

1.2 Instructions

- (a) Requirements, which are identified by the word "**must**", **must** be treated as mandatory. Deviations will not be permitted;
- (b) Requirements identified with a "will" define actions to be performed by Canada and require no action/obligation on the Contractor's part;
- (c) Where "**must**" or "will" are not used, the information provided is for guidance only;
- (d) Where a standard is specified and the Contractor has offered an **Equivalent**, that **Equivalent** standard **must** be supplied by the Contractor;
- (e) Where a technical certification is referred to in this Purchase Description, a copy of the certification or an acceptable Proof of Compliance **must** be supplied, when requested by the **Technical Authority**;
- (f) While the International System of Units (SI) **must** be used as the primary system of measurement to define requirements of this Purchase Description, both the SI system and the standard system for this product may be indicated. Conversion from one system of measurement to the other may not be exact; and
- (g) Dimensions stated as nominal **must** be treated as approximate dimensions. Nominal dimensions reflect a method by which materials or products are generally identified for sale commercially, but which differ from the actual dimensions.

1.3 Definitions

- (a) "**Provided**" means "provided and installed";
- (b) "**Technical Authority**" **must** mean the official responsible for the technical content of this requirement;

Revisions		
Rev	Date	Description
A	2016/08/30	Initial Release.

OPI: DSVPM 4 - BPR: DAPVS 4

Issued on Authority of the Chief of the Defence Staff

Publiée avec l'autorisation du chef d'état-major de la Défense

- (c) **"Equivalent"** means a standard, means, or component type, which the **Technical Authority** has approved for this requirement as meeting the specified requirements for fit, form, function and performance; and
- (d) **"Commercially Equipped"** means that the vehicle is provided in its standard commercial configuration with no additional government-specified requirements.

1.4 **Data Table** - The following table shows required performance and dimensions for each configuration, with a clause reference.

CHARACTERISTIC	CLAUSE	UNITS	CONFIGURATION A	CONFIGURATION B
PTO HORSEPOWER	3.4	kW	17	35
CUTTING SWATH	3.5.2 (a) ii	mm	1775	N/A
WINGED MOWER SWATH	3.5.2 (b) iv	mm	N/A	3500
RATED LOAD	3.5.2 (c) ii	kg	500	1000
TILLER	3.5.2 (h) ii	mm	1,500	1,800

1.4.1 **Attachments and Features Table** - The following table indicates, with "✓", for each configuration the attachments or features which **must** be provided, with a clause reference.

FEATURE/ACCESSORY	CLAUSE	A1	A2	B1	B2	B3
Mid-Mount Cutting Deck	3.5.2 (a)	✓	✓			
Winged Rotary Mower	3.5.2 (b)			✓	✓	✓
Loader	3.5.2 (c)	✓	✓	✓	✓	✓
Front-Mounted Snow Blower	3.5.2 (d)		✓	✓	✓	✓
Rear-Mounted Rear-Facing Snow Blower	3.5.2 (e)	✓				
Angle Dozer Blade	3.5.2 (f)		✓			
Front-Mounted Sweeper	3.5.2 (g)	✓	✓		✓	
Tiller	3.5.2 (h)			✓	✓	
R-4 Industrial Tread	3.12 (a)	✓	✓			
Turf Tread	3.12 (b)			✓	✓	✓

2. APPLICABLE DOCUMENTS

2.1 Government Furnished Documents - NOT APPLICABLE

2.2 Other Publications - The following documents are referenced in this specification. Canada will not be supplying any reference documents. Available information on the organization is provided.

- (a) Canada Occupational Health and Safety Regulations
Government of Canada / Department of Justice
<http://laws-lois.justice.gc.ca/eng/regulations/SOR-86-304/index.html>
- (b) Hazardous Products Act
Government of Canada / Department of Justice
<http://laws-lois.justice.gc.ca/eng/acts/H-3/>
- (c) International Organization for Standardization (ISO)
ISO Central Secretariat
1, ch. de la Voie-Creuse
CP 56, CH-1211 Geneva 20
Switzerland
<http://www.iso.org/iso/home.htm>
- (d) SAE Standards
SAE World Headquarters
400 Commonwealth Dr.,
Warrendale, PA, 15096-0001
<http://www.sae.org>
- (e) ANSI/ASABE AD500-1,
Agricultural tractors -- Rear-mounted power take-off types 1, 2
and 3 -- Part 1: General specifications, safety requirements,
dimensions for master shield and clearance zone,
American Society of Agricultural and Biological Engineers
2950 Niles Road, St. Joseph, MI 49085
Phone: (800) 371-2723
<http://www.asabe.org/>

3. REQUIREMENTS

3.1 Standard Design

- (a) The vehicle **must** be the latest model from a manufacturer who has demonstrated acceptability by selling, in North America, this type and size class of vehicle for at least three (3) years;
- (b) The vehicle **must** include all components, equipment and accessories normally supplied for this application, although they may not be specifically described in this Purchase Description;
- (c) The vehicle **must** have engineering certification available, upon request for this application from the original manufacturers of major equipment, systems and assemblies;
- (d) The vehicle **must** conform to all applicable laws, regulations and industrial standards in effect in Canada at the time of manufacture. The regulatory areas may include but are not necessarily limited to manufacturing, health and safety, noise levels, environment and emissions; and
- (e) The vehicle and accessories **must** operate in accordance with all original equipment manufacturers' (OEM) rated capacities and performance specifications.

3.2 Operating Conditions

3.2.1 Weather - The vehicle/equipment **must** operate under the extremes of weather conditions found in Canada in temperatures ranging from -35 to 40°C.

3.2.2 Terrain - The vehicle **must** propel itself in the forward and reverse directions during off-road operations (e.g. construction sites, open fields and dirt tracks, in all-weather conditions).

3.3 Safety Standards

3.3.1 Hazardous Materials - The contractor **must** minimize or eliminate the use of hazardous materials, ozone depleting substances, polychlorinated biphenyls, asbestos and heavy metals (as described in the Hazardous Products Act of Canada) used in the manufacture and assembly of the product supplied.

3.4 Performance - The agricultural tractor **must** have a Power Take-Off (PTO) horsepower of at least that given as "PTO HORSEPOWER" in the Data Table.

3.5 Equipment and Accessories

3.5.1 Equipment

(a) Rear Mounted Three-Point Hitch

- i A rear mounted three-point hitch **must** be provided; and
- ii Three-point hitch sizes/dimensions **must** be in accordance with ANSI/ASABE AD500-1 for the power and torque transmitted.

(b) Rear Power Take-Off (PTO)

- i A rear power take off (PTO) **must** be provided;
- ii The PTO **must** provide power to attachments as required; and

- iii PTO sizes/dimensions **must** be in accordance with ANSI/ASABE AD500-1 for the power and torque transmitted.

(c) **Counterweight Carrier**

- i A front mounted counterweight carrier **must** be provided; and
- ii The counterweights required for the operation of the selected accessories **must** be provided.

(d) **Slow Moving Vehicle Sign** - The vehicle **must** be equipped with a permanently mounted slow moving vehicle sign.

3.5.2 **Attachments and Features** - The following attachments **must** be provided, when indicated with an "✓", in the Attachments and Features Table.

(a) **Mid-Mount Cutting Deck**

- i A mid-mount cutting deck **must** be provided;
- ii The cutting deck **must** have a cutting swath of at least that given as "CUTTING SWATH" in the Data Table; and
- iii The cutting deck **must** be equipped with anti-scalping rollers at the front of the cutting deck and either anti-scalping rollers or skids at the rear.

(b) **Towed Rotary Mower**

- i A towed mower with folding wings **must** be provided;
- ii The folding wings **must** be equipped with a powered lifting system;
- iii The folding wings **must** float to conform to the contours of the land while operating;
- iv The mower **must** have a cutting width of at least that given as "WINGED MOWER SWATH" in the Data Table.

(c) **Loader**

- i A set of loader arms **must** be provided;
- ii When equipped with the loader arms, the vehicle **must** have a rated load of at least that given as "RATED LOAD" in the Data Table;
- iii The loader arms **must** be equipped with manufacturer's standard bucket;
- iv The bucket **must** be equipped with bolt-on replaceable cutting edges; and
- v The width of the bucket **must** exceed the width of the tractor with the widest tires.

(d) **Front-Mounted Snow Blower**

- i A front-mounted snow blower **must** be provided;
- ii The front-mounted snow blower **must** mount on the front 3-point hitch or be equipped with a lifting mechanism;
- iii The front-mounted snow blower **must** be equipped with chute controls at the operator's station;

- iv The front-mounted snow blower **must** be equipped with adjustable height skates;
 - v The front-mounted snow blower **must** be equipped with bolt-on replaceable cutting edges; and
 - vi The cutting path of the front-mounted snow blower **must** exceed the width of the tractor with the widest tires.
- (e) **Rear-Mounted Rear-Facing Snow Blower**
- i A rear-mounted, rear-facing snow blower **must** be provided;
 - ii The rear-mounted snow blower **must** mount on the 3 point hitch or be equipped with a lifting mechanism;
 - iii The rear-mounted snow blower **must** be equipped with chute controls at the operator's station;
 - iv The rear-mounted snow blower **must** be equipped with adjustable height skates;
 - v The rear-mounted snow blower **must** be equipped with bolt-on replaceable cutting edges; and
 - vi The cutting path of the rear-mounted snow blower **must** exceed the width of the tractor with the widest tires.
- (f) **Angle Dozer Blade**
- i A front angling dozer blade **must** be provided;
 - ii The front angling dozer blade **must** mount on the front 3-point hitch or be equipped with a lifting mechanism;
 - iii The front angling dozer blade **must** be equipped with replaceable cutting edges;
 - iv The front angling dozer blade **must** be controlled from the operator's station;
 - v The controls **must** move the front angling dozer blade, on command, between the angles of at least 25 degrees to the left or right; and
 - vi The dozing path, with the blade angled left or right 25 degrees, **must** exceed the width of the tractor with the widest tires.
- (g) **Front-Mounted Sweeper**
- i A powered angling front mounted rotary sweeper **must** be provided;
 - ii The front mounted rotary sweeper **must** angle at least 30 degrees to the left and right; and
 - iii The sweeping path, at maximum angle, **must** exceed the width of the tractor with the widest tires.
- (h) **Tiller**
- i A rear-mounted rotary tiller **must** be provided; and
 - ii The tiller **must** have a cutting width of at least that given as "TILLER" in the Data Table.

3.6 **Operator Station**

(a) **ROPS Cab**

- i A ROPS cab incorporating a certified Roll Over Protective Structure (ROPS) **must** be provided;
- ii ROPS certification **must** satisfy SAE J1194 or **Equivalent**;
- iii The ROPS cab **must** be weatherproof, pressurized and insulated;
- iv The ROPS cab **must** be provided with a heating, ventilation and defrosting system;
- v The heating, ventilation and defrosting system **must** keep the windows free from frost and moisture;
- vi The ROPS cab **must** have the manufacturer's standard safety glass in the windows. It is preferred that the glass be tinted to reduce solar heating load;
- vii The ROPS cab **must** have front and rear windshield wipers and washer systems;
- viii The ROPS cab **must** be equipped with rear view mirrors providing a full view for safe reverse operations; and
- ix The ROPS cab **must** have two lockable doors, or one door and at least one visibly labelled window as an emergency escape route.

(b) **Suspension Seat**

- i A manufacturer's padded suspension seat with backrest **must** be provided in lieu of the standard seat;
- ii The seat **must** be equipped with a seat belt conforming, as a minimum, to SAE J386; and
- iii The seat **must** be fore/aft and vertically adjustable without having to move from a seated position.

(c) **Air Conditioner** - The manufacturer's standard air conditioning system **must** be provided.

(d) **Radio**

- i An AM/FM radio **must** be provided; and
- ii The radio **must** turn off automatically when the vehicle is turned off.

(e) **Keys**

- i A common key **must** be used for all items supplied with an integral keyed lock; and
- ii This **must** include ignition, doors and locking compartments/covers.

3.7 **Chassis** - **Must** be commercially equipped.

3.8 **Engine** - The manufacturer's standard diesel engine **must** be provided.

3.8.1 **Fuel Tank(s)** - **Must** be commercially equipped.

3.8.2 **Engine Cold Weather Aids**

- (a) The engine **must** be equipped with cold weather aids to enable the engine (operating with winter grade fuels/oils) to be started at temperatures down to -35° C;
- (b) A low temperature engine starting aid **must** be provided. The engine **must** have one of the following systems; ether injection, glow plug, intake air preheat or **Equivalent**; and
- (c) One or more 110-Volt engine heaters **must** be provided. The engine heaters **must** have a capacity as recommended by the engine manufacturer or conform to SAE J1310. The engine heater plug **must** be accessible by a standing operator.

3.9 **Transmission** - **Must** be commercially equipped.

- (a) **4 Wheel Drive** - A 4 wheel drive system (driver-selected) **must** be provided.

3.10 **Brake System** - **Must** be commercially equipped.

3.11 **Steering** - **Must** be commercially equipped.

3.12 **Tires** - The following tires types **must** be provided, when indicated with an "✓", in the Attachments and Features Table:

- (a) R-4 Industrial tread; and
- (b) Turf tread.

3.13 **Controls**

- (a) Controls **must** be the manufacturer's standard; and
- (b) The controls **must** include a safety device ensuring that the engine can only be started with the transmission in a neutral position.

3.14 **Instruments**

- (a) Instruments **must** be the manufacturer's standard; and
- (b) The instruments **must** include an hour-meter, which displays accumulated running time up to 9,999 hours.

3.15 **Electrical System** - **Must** be commercially equipped.

3.16 **Lighting**

- (a) The vehicle **must** have the manufacturer's standard lights, sufficient for safe travel on roads; and
- (b) **Amber Coloured Beacon**
 - i An amber-coloured omni-directional beacon, that operates continuously when the vehicle is running, **must** be provided;
 - ii The beacon **must** be mounted so as to provide maximum vehicle visibility. It is preferred that the visibility be through 360 degrees;
 - iii It is preferred that the beacon be permanently mounted at the highest point of the vehicle without the use of suction cups; and
 - iv The beacon **must** be LED.

(c) **Working Light Bar**

- i A working light bar **must** be provided;
- ii The working light bar **must** provide at least 6,000 lumens of additional lighting to the front of the vehicle; and
- iii The working light bar **must** be permanently mounted near the highest point of the vehicle (below any warning beacons) without the use of suction cups.

3.17 **Hydraulic System**

- (a) The hydraulic system **must** be the manufacturer's standard, complete with all components required for the operation of the hydraulic equipment specified, including pump, reservoir, filters and control valves; and
- (b) Outlets for attachments **must** be equipped with drip-less quick-connect fittings.

3.18 **Lubricants and Hydraulic Fluids**

- (a) Manufacturer's standard synthetic non-proprietary lubricants and hydraulic fluids **must** be provided; and
- (b) Lubrication fittings **must** conform to SAE J534 or an **Equivalent** North American Standard.

3.19 **Paint** - **Must** be commercially equipped.

3.20 **Identification** - The manufacturer's name, model and vehicle serial number **must** be permanently marked in a conspicuous and protected location.

3.21 **Vehicle Delivery Condition**

- (a) If the vehicle requires assembly at destination, the contractor **must** be responsible for all manpower and equipment to perform assembly;
- (b) The space for assembly at destination will be provided, if required;
- (c) For shipment verification, items such as wheel wrenches, jacks, and all other tools, equipment and accessories, which are shipped loose, **must** be listed on the shipping certificate or to an attached packing note;
- (d) Fuel tank(s) **must** be half to three quarters full on delivery; and
- (e) Lubricant viscosity provided **must** be in accordance with the manufacturer's specifications for the destination and the season of delivery.

4. Integrated Logistic Support

4.1 Contractor Documentation and Logistic Items

4.1.1 Items Supplied to Technical Authority

(a) Manuals for Approval

- i The Contractor **must** supply a set of manuals for each Configuration/model, in digital format, including the operator, parts and maintenance (shop repair) manuals. Manuals may cover more than one (1) configuration/model.
- ii The set of manuals **must** include manuals for all the specified accessories and features for the configuration/model. Accessory manuals may be included as supplements to the vehicle/equipment manuals.
- iii Digital copies **must** be functional without the requirement for a password, an auto-run installation procedure or an Internet connection.
- iv Digital copies **must** be supplied on a CD or DVD.
- v Digital copies **must** be supplied in a searchable PDF format.
- vi The CD or DVD **must** be provided with a printed label showing the contract and equipment information.
- vii Manuals will not be returned.
- viii Manual approval or comments will be supplied within 15 working days of receipt.
- ix The Contractor **must** supply responses to the **Technical Authority's** comments.

(b) Photographs and Line Drawings

- i The Contractor **must** supply two (2) digital colour photographs, one (1) left-front three-quarter view, and one (1) right-rear three-quarter view of each configuration/model.
- ii One (1) digital colour photograph of each attachment taken at the three-quarter view that best illustrates the attachment **must** be supplied.
- iii One (1) front-view and one (1) side-view line drawing showing dimensions of the vehicle/equipment **must** be supplied. Brochure line drawings are acceptable.
- iv Photographs **must** have a plain background.
- v Photographs **must** be in a JPEG (Joint Photographic Experts Group) format.
- vi Photographs **must** have a resolution of at least eight (8) Mega pixels.

(c) Data Summary

- i The Contractor **must** supply a bilingual data summary for each configuration/model, with vehicle/equipment data (including accessories and features) and a vehicle/equipment picture.

- ii The **Technical Authority** will supply a bilingual template of a data summary to the Contractor.
 - iii The Contractor **must** supply a digital copy (MS Word) of the completed data summary for approval.
 - iv Data summary approval or comments will be supplied within 15 working days of receipt.
 - v The Contractor **must** supply responses to the **Technical Authority's** comments.
- (d) **Safety Data Sheets**
- i The Contractor **must** supply a listing, in digital format, of all hazardous materials used on the vehicle.
 - ii If there are no hazardous materials used, this **must** be stated on the listing.
 - iii The Contractor **must** supply safety data sheets for all hazardous materials in the list.
- (e) **Warranty Letter**
- i The **Technical Authority** will supply a bilingual warranty letter template to the Contractor.
 - ii The Contractor **must** supply a complete description of the warranty with the requested warranty terms and any system or sub system warranty that exceeds the minimum requested.
 - iii The warranty letter **must** include the name and contact information of the closest designated warranty provider and other designated warranty providers across Canada.
 - iv The contractor **must** supply the original warranty letter in digital format, for each vehicle/equipment delivered, to the **Technical Authority**.
- (f) **Initial Parts Kit List**
- i The contractor **must** supply a list of parts needed to perform preventive maintenance on one (1) vehicle/equipment for a period of one (1) year in accordance with the maintenance manual for each configuration/model.
 - ii A complete change of all filters and filter elements **must** be included in the list.
 - iii The list **must** include the following elements: part description; Original Equipment Manufacturer (OEM) Part number; suggested quantity and unit cost.
- (g) **Training Plan(s)** - The Contractor **must** supply a training plan for approval for each of the training courses listed in paragraph 4.2, to the **Technical Authority**.

4.1.2 **Items Supplied with Each Vehicle/Equipment**

- (a) **Operator's Manuals** - The Contractor **must** supply an approved bilingual operator's manual in both paper and digital format with each vehicle/equipment delivered.
- (b) **Warranty Letter** - The Contractor **must** supply a copy of the warranty letter with each vehicle/equipment delivered.

(c) **Safety Data Sheets**

- i The Contractor **must** supply a set of material safety data sheets.
- ii The safety data sheets **must** be the same as those provided to the **Technical Authority** as per paragraph 4.1.1 (d).

(d) **Keys** - The contractor **must** supply two (2) keys in accordance with paragraph 3.6 (a).

(e) **Initial Parts Kit**

- i One (1) initial parts kit **must** be supplied.
- ii The initial parts kit **must** include a set of parts in the approved initial parts kit list (paragraph 4.1.1 (g)).

(f) **Paper Maintenance Manual - English**

- i The Contractor **must** supply the approved maintenance (shop repair) manuals in paper format and in English required for the maintenance and repair of the vehicle/equipment, features and accessories.
- ii The contractor may supply this deliverable as a bilingual package.

(g) **Paper Maintenance Manual - French**

- i The Contractor **must** supply the approved maintenance (shop repair) manuals in paper format and in French required for the maintenance and repair of the vehicle/equipment, features and accessories.
- ii The contractor may supply this deliverable as a bilingual package.

(h) **Digital Maintenance Manual - English**

- i The Contractor **must** supply the approved, searchable digital maintenance (shop repair) manuals in English required for maintenance and repair of the vehicle/equipment features and accessories.
- ii The contractor may supply this deliverable as a bilingual package.

(i) **Digital Maintenance Manual - French**

- i The Contractor **must** supply the approved, searchable digital maintenance (shop repair) manuals in English required for maintenance and repair of the vehicle/equipment features and accessories.
- ii The contractor may supply this deliverable as a bilingual package.

(j) **Paper Parts Manual**

- i The Contractor **must** supply the approved parts manuals for the vehicle/equipment, features and accessories.
- ii The parts manual **must** be supplied in English.
- iii It is desirable to supply the parts manual in French in addition to the English version.

- (k) **Digital Parts Manual** - The Contractor **must** supply the approved, searchable, digital parts manuals required for the vehicle/equipment, features and accessories on a CD/DVD-ROM.

4.2 **Training**

(a) **Familiarization Course - English**

- i The Contractor **must** supply a familiarization course in English, at the delivery destination, optimized for operators and technicians who are qualified on the vehicle/equipment type but require training on newer or unique features and sub-systems of the delivered model.
- ii The instructor **must** be an OEM Factory Certified Training Provider.
- iii **Curriculum**
 - 1. The familiarization course **must** include operation and maintenance segments.
 - 2. The operator's familiarization segment **must** include safety precautions to be observed while operating and servicing the vehicle/equipment, vehicle/equipment operating characteristics, pre-operating and shutdown procedures and daily/weekly operator servicing procedures.
 - 3. The operator's familiarization **must** include sub-systems including automatic grease system and pre-heaters.
 - 4. The technician's familiarization **must** include diagnostics, trouble shooting and operation of any special tools and test equipment (if any).
- iv The familiarization course **must** have a minimum duration of eight (8) hours, divided into four (4) hours for operators and four (4) hours for technicians.
- v The familiarization course **must** accommodate up to eight (8) personnel; four (4) operators and four (4) technicians.
- vi For vehicles/equipment shipped to DND, the date for the familiarization course **must** be arranged with the **Technical Authority** or the identified user or designated contact person for vehicles/equipment shipped for users other than DND.
- vii After completion of the familiarization course, the Contractor **must** have the "PROOF OF FAMILIARIZATION" certificate signed by the senior course attendee.
- viii The **Technical Authority** will supply the "PROOF OF FAMILIARIZATION" document template in a digital format.

(b) **Familiarization Course - French**

- i The Contractor **must** supply a familiarization course in French, at the delivery destination, optimized for operators and technicians who are qualified on the vehicle/equipment type but require training on newer or unique features and sub-systems of the delivered model.

ii The instructor **must** be an OEM Factory Certified Training Provider.

iii **Curriculum**

1. The familiarization course **must** include operation and maintenance segments.

2. The operator's familiarization segment **must** include safety precautions to be observed while operating and servicing the vehicle/equipment, vehicle/equipment operating characteristics, pre-operating and shutdown procedures and daily/weekly operator servicing procedures.

3. The operator's familiarization **must** include sub-systems including automatic grease system and pre-heaters.

4. The technician's familiarization **must** include diagnostics, trouble shooting and operation of any special tools and test equipment (if any).

iv The familiarization course **must** have a minimum duration of eight (8) hours, divided into four (4) hours for operators and four (4) hours for technicians.

v The familiarization course **must** accommodate up to eight (8) personnel; four (4) operators and four (4) technicians.

vi For vehicles/equipment shipped to DND, the date for the familiarization course **must** be arranged with the **Technical Authority** or the identified user or designated contact person for vehicles/equipment shipped for users other than DND.

vii After completion of the familiarization course, the Contractor **must** have the "**PROOF OF FAMILIARIZATION**" certificate signed by the senior course attendee.

viii The **Technical Authority** will supply the "**PROOF OF FAMILIARIZATION**" document template in a digital format.



NOTICE

This documentation has been reviewed by the Technical Authority and does not contain controlled goods.

AVIS

Cette documentation a été révisée par l'Autorité technique et ne contient pas de marchandises contrôlées.

ANNEX B

PURCHASE DESCRIPTION

TRACTOR, AGRICULTURAL, SMALL, WHEELED

1. SCOPE

1.1 Scope - This purchase description covers the requirements for small, wheeled agricultural tractors.

1.2 Instructions

- (a) Requirements, which are identified by the word "**must**", **must** be treated as mandatory. Deviations will not be permitted;
- (b) Requirements identified with a "will" define actions to be performed by Canada and require no action/obligation on the Contractor's part;
- (c) Where "**must**" or "will" are not used, the information provided is for guidance only;
- (d) Where a standard is specified and the Contractor has offered an **Equivalent**, that **Equivalent** standard **must** be supplied by the Contractor;
- (e) Where a technical certification is referred to in this Purchase Description, a copy of the certification or an acceptable Proof of Compliance **must** be supplied, when requested by the **Technical Authority**;
- (f) While the International System of Units (SI) **must** be used as the primary system of measurement to define requirements of this Purchase Description, both the SI system and the standard system for this product may be indicated. Conversion from one system of measurement to the other may not be exact; and
- (g) Dimensions stated as nominal **must** be treated as approximate dimensions. Nominal dimensions reflect a method by which materials or products are generally identified for sale commercially, but which differ from the actual dimensions.

1.3 Definitions

- (a) "**Provided**" means "provided and installed";
- (b) "**Technical Authority**" **must** mean the official responsible for the technical content of this requirement;

Revisions		
Rev	Date	Description
A	2016/08/30	Initial Release.

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Issued on Authority of the Chief of the Defence Staff

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- (c) **"Equivalent"** means a standard, means, or component type, which the **Technical Authority** has approved for this requirement as meeting the specified requirements for fit, form, function and performance; and
- (d) **"Commercially Equipped"** means that the vehicle is provided in its standard commercial configuration with no additional government-specified requirements.

1.4 **Data Table** - The following table shows required performance and dimensions for each configuration, with a clause reference.

CHARACTERISTIC	CLAUSE	UNITS	CONFIGURATION A	CONFIGURATION B
PTO HORSEPOWER	3.4	kW	17	35
CUTTING SWATH	3.5.2 (a) ii	mm	1775	N/A
WINGED MOWER SWATH	3.5.2 (b) iv	mm	N/A	3500
RATED LOAD	3.5.2 (c) ii	kg	500	1000
TILLER	3.5.2 (h) ii	mm	1,500	1,800

1.4.1 **Attachments and Features Table** - The following table indicates, with "✓", for each configuration the attachments or features which **must** be provided, with a clause reference.

FEATURE/ACCESSORY	CLAUSE	A1	A2	B1	B2	B3
Mid-Mount Cutting Deck	3.5.2 (a)	✓	✓			
Winged Rotary Mower	3.5.2 (b)			✓	✓	✓
Loader	3.5.2 (c)	✓	✓	✓	✓	✓
Front-Mounted Snow Blower	3.5.2 (d)		✓	✓	✓	✓
Rear-Mounted Rear-Facing Snow Blower	3.5.2 (e)	✓				
Angle Dozer Blade	3.5.2 (f)		✓			
Front-Mounted Sweeper	3.5.2 (g)	✓	✓		✓	
Tiller	3.5.2 (h)			✓	✓	
R-4 Industrial Tread	3.12 (a)	✓	✓			
Turf Tread	3.12 (b)			✓	✓	✓

2. APPLICABLE DOCUMENTS

2.1 Government Furnished Documents - NOT APPLICABLE

2.2 Other Publications - The following documents are referenced in this specification. Canada will not be supplying any reference documents. Available information on the organization is provided.

- (a) Canada Occupational Health and Safety Regulations
Government of Canada / Department of Justice
<http://laws-lois.justice.gc.ca/eng/regulations/SOR-86-304/index.html>
- (b) Hazardous Products Act
Government of Canada / Department of Justice
<http://laws-lois.justice.gc.ca/eng/acts/H-3/>
- (c) International Organization for Standardization (ISO)
ISO Central Secretariat
1, ch. de la Voie-Creuse
CP 56, CH-1211 Geneva 20
Switzerland
<http://www.iso.org/iso/home.htm>
- (d) SAE Standards
SAE World Headquarters
400 Commonwealth Dr.,
Warrendale, PA, 15096-0001
<http://www.sae.org>
- (e) ANSI/ASABE AD500-1,
Agricultural tractors -- Rear-mounted power take-off types 1, 2
and 3 -- Part 1: General specifications, safety requirements,
dimensions for master shield and clearance zone,
American Society of Agricultural and Biological Engineers
2950 Niles Road, St. Joseph, MI 49085
Phone: (800) 371-2723
<http://www.asabe.org/>

3. REQUIREMENTS

3.1 Standard Design

- (a) The vehicle **must** be the latest model from a manufacturer who has demonstrated acceptability by selling, in North America, this type and size class of vehicle for at least three (3) years;
- (b) The vehicle **must** include all components, equipment and accessories normally supplied for this application, although they may not be specifically described in this Purchase Description;
- (c) The vehicle **must** have engineering certification available, upon request for this application from the original manufacturers of major equipment, systems and assemblies;
- (d) The vehicle **must** conform to all applicable laws, regulations and industrial standards in effect in Canada at the time of manufacture. The regulatory areas may include but are not necessarily limited to manufacturing, health and safety, noise levels, environment and emissions; and
- (e) The vehicle and accessories **must** operate in accordance with all original equipment manufacturers' (OEM) rated capacities and performance specifications.

3.2 Operating Conditions

3.2.1 Weather - The vehicle/equipment **must** operate under the extremes of weather conditions found in Canada in temperatures ranging from -35 to 40°C.

3.2.2 Terrain - The vehicle **must** propel itself in the forward and reverse directions during off-road operations (e.g. construction sites, open fields and dirt tracks, in all-weather conditions).

3.3 Safety Standards

3.3.1 Hazardous Materials - The contractor **must** minimize or eliminate the use of hazardous materials, ozone depleting substances, polychlorinated biphenyls, asbestos and heavy metals (as described in the Hazardous Products Act of Canada) used in the manufacture and assembly of the product supplied.

3.4 Performance - The agricultural tractor **must** have a Power Take-Off (PTO) horsepower of at least that given as "PTO HORSEPOWER" in the Data Table.

3.5 Equipment and Accessories

3.5.1 Equipment

(a) Rear Mounted Three-Point Hitch

- i A rear mounted three-point hitch **must** be provided; and
- ii Three-point hitch sizes/dimensions **must** be in accordance with ANSI/ASABE AD500-1 for the power and torque transmitted.

(b) Rear Power Take-Off (PTO)

- i A rear power take off (PTO) **must** be provided;
- ii The PTO **must** provide power to attachments as required; and

- iii PTO sizes/dimensions **must** be in accordance with ANSI/ASABE AD500-1 for the power and torque transmitted.

(c) **Counterweight Carrier**

- i A front mounted counterweight carrier **must** be provided; and
- ii The counterweights required for the operation of the selected accessories **must** be provided.

(d) **Slow Moving Vehicle Sign** - The vehicle **must** be equipped with a permanently mounted slow moving vehicle sign.

3.5.2 **Attachments and Features** - The following attachments **must** be provided, when indicated with an "✓", in the Attachments and Features Table.

(a) **Mid-Mount Cutting Deck**

- i A mid-mount cutting deck **must** be provided;
- ii The cutting deck **must** have a cutting swath of at least that given as "CUTTING SWATH" in the Data Table; and
- iii The cutting deck **must** be equipped with anti-scalping rollers at the front of the cutting deck and either anti-scalping rollers or skids at the rear.

(b) **Towed Rotary Mower**

- i A towed mower with folding wings **must** be provided;
- ii The folding wings **must** be equipped with a powered lifting system;
- iii The folding wings **must** float to conform to the contours of the land while operating;
- iv The mower **must** have a cutting width of at least that given as "WINGED MOWER SWATH" in the Data Table.

(c) **Loader**

- i A set of loader arms **must** be provided;
- ii When equipped with the loader arms, the vehicle **must** have a rated load of at least that given as "RATED LOAD" in the Data Table;
- iii The loader arms **must** be equipped with manufacturer's standard bucket;
- iv The bucket **must** be equipped with bolt-on replaceable cutting edges; and
- v The width of the bucket **must** exceed the width of the tractor with the widest tires.

(d) **Front-Mounted Snow Blower**

- i A front-mounted snow blower **must** be provided;
- ii The front-mounted snow blower **must** mount on the front 3-point hitch or be equipped with a lifting mechanism;
- iii The front-mounted snow blower **must** be equipped with chute controls at the operator's station;

- iv The front-mounted snow blower **must** be equipped with adjustable height skates;
 - v The front-mounted snow blower **must** be equipped with bolt-on replaceable cutting edges; and
 - vi The cutting path of the front-mounted snow blower **must** exceed the width of the tractor with the widest tires.
- (e) **Rear-Mounted Rear-Facing Snow Blower**
- i A rear-mounted, rear-facing snow blower **must** be provided;
 - ii The rear-mounted snow blower **must** mount on the 3 point hitch or be equipped with a lifting mechanism;
 - iii The rear-mounted snow blower **must** be equipped with chute controls at the operator's station;
 - iv The rear-mounted snow blower **must** be equipped with adjustable height skates;
 - v The rear-mounted snow blower **must** be equipped with bolt-on replaceable cutting edges; and
 - vi The cutting path of the rear-mounted snow blower **must** exceed the width of the tractor with the widest tires.
- (f) **Angle Dozer Blade**
- i A front angling dozer blade **must** be provided;
 - ii The front angling dozer blade **must** mount on the front 3-point hitch or be equipped with a lifting mechanism;
 - iii The front angling dozer blade **must** be equipped with replaceable cutting edges;
 - iv The front angling dozer blade **must** be controlled from the operator's station;
 - v The controls **must** move the front angling dozer blade, on command, between the angles of at least 25 degrees to the left or right; and
 - vi The dozing path, with the blade angled left or right 25 degrees, **must** exceed the width of the tractor with the widest tires.
- (g) **Front-Mounted Sweeper**
- i A powered angling front mounted rotary sweeper **must** be provided;
 - ii The front mounted rotary sweeper **must** angle at least 30 degrees to the left and right; and
 - iii The sweeping path, at maximum angle, **must** exceed the width of the tractor with the widest tires.
- (h) **Tiller**
- i A rear-mounted rotary tiller **must** be provided; and
 - ii The tiller **must** have a cutting width of at least that given as "TILLER" in the Data Table.

3.6 **Operator Station**

(a) **ROPS Cab**

- i A ROPS cab incorporating a certified Roll Over Protective Structure (ROPS) **must** be provided;
- ii ROPS certification **must** satisfy SAE J1194 or **Equivalent**;
- iii The ROPS cab **must** be weatherproof, pressurized and insulated;
- iv The ROPS cab **must** be provided with a heating, ventilation and defrosting system;
- v The heating, ventilation and defrosting system **must** keep the windows free from frost and moisture;
- vi The ROPS cab **must** have the manufacturer's standard safety glass in the windows. It is preferred that the glass be tinted to reduce solar heating load;
- vii The ROPS cab **must** have front and rear windshield wipers and washer systems;
- viii The ROPS cab **must** be equipped with rear view mirrors providing a full view for safe reverse operations; and
- ix The ROPS cab **must** have two lockable doors, or one door and at least one visibly labelled window as an emergency escape route.

(b) **Suspension Seat**

- i A manufacturer's padded suspension seat with backrest **must** be provided in lieu of the standard seat;
- ii The seat **must** be equipped with a seat belt conforming, as a minimum, to SAE J386; and
- iii The seat **must** be fore/aft and vertically adjustable without having to move from a seated position.

(c) **Air Conditioner** - The manufacturer's standard air conditioning system **must** be provided.

(d) **Radio**

- i An AM/FM radio **must** be provided; and
- ii The radio **must** turn off automatically when the vehicle is turned off.

(e) **Keys**

- i A common key **must** be used for all items supplied with an integral keyed lock; and
- ii This **must** include ignition, doors and locking compartments/covers.

3.7 **Chassis** - **Must** be commercially equipped.

3.8 **Engine** - The manufacturer's standard diesel engine **must** be provided.

3.8.1 **Fuel Tank(s)** - **Must** be commercially equipped.

3.8.2 **Engine Cold Weather Aids**

- (a) The engine **must** be equipped with cold weather aids to enable the engine (operating with winter grade fuels/oils) to be started at temperatures down to -35° C;
- (b) A low temperature engine starting aid **must** be provided. The engine **must** have one of the following systems; ether injection, glow plug, intake air preheat or **Equivalent**; and
- (c) One or more 110-Volt engine heaters **must** be provided. The engine heaters **must** have a capacity as recommended by the engine manufacturer or conform to SAE J1310. The engine heater plug **must** be accessible by a standing operator.

3.9 **Transmission** - **Must** be commercially equipped.

- (a) **4 Wheel Drive** - A 4 wheel drive system (driver-selected) **must** be provided.

3.10 **Brake System** - **Must** be commercially equipped.

3.11 **Steering** - **Must** be commercially equipped.

3.12 **Tires** - The following tires types **must** be provided, when indicated with an "✓", in the Attachments and Features Table:

- (a) R-4 Industrial tread; and
- (b) Turf tread.

3.13 **Controls**

- (a) Controls **must** be the manufacturer's standard; and
- (b) The controls **must** include a safety device ensuring that the engine can only be started with the transmission in a neutral position.

3.14 **Instruments**

- (a) Instruments **must** be the manufacturer's standard; and
- (b) The instruments **must** include an hour-meter, which displays accumulated running time up to 9,999 hours.

3.15 **Electrical System** - **Must** be commercially equipped.

3.16 **Lighting**

- (a) The vehicle **must** have the manufacturer's standard lights, sufficient for safe travel on roads; and
- (b) **Amber Coloured Beacon**
 - i An amber-coloured omni-directional beacon, that operates continuously when the vehicle is running, **must** be provided;
 - ii The beacon **must** be mounted so as to provide maximum vehicle visibility. It is preferred that the visibility be through 360 degrees;
 - iii It is preferred that the beacon be permanently mounted at the highest point of the vehicle without the use of suction cups; and
 - iv The beacon **must** be LED.

(c) **Working Light Bar**

- i A working light bar **must** be provided;
- ii The working light bar **must** provide at least 6,000 lumens of additional lighting to the front of the vehicle; and
- iii The working light bar **must** be permanently mounted near the highest point of the vehicle (below any warning beacons) without the use of suction cups.

3.17 **Hydraulic System**

- (a) The hydraulic system **must** be the manufacturer's standard, complete with all components required for the operation of the hydraulic equipment specified, including pump, reservoir, filters and control valves; and
- (b) Outlets for attachments **must** be equipped with drip-less quick-connect fittings.

3.18 **Lubricants and Hydraulic Fluids**

- (a) Manufacturer's standard synthetic non-proprietary lubricants and hydraulic fluids **must** be provided; and
- (b) Lubrication fittings **must** conform to SAE J534 or an **Equivalent** North American Standard.

3.19 **Paint** - **Must** be commercially equipped.

3.20 **Identification** - The manufacturer's name, model and vehicle serial number **must** be permanently marked in a conspicuous and protected location.

3.21 **Vehicle Delivery Condition**

- (a) If the vehicle requires assembly at destination, the contractor **must** be responsible for all manpower and equipment to perform assembly;
- (b) The space for assembly at destination will be provided, if required;
- (c) For shipment verification, items such as wheel wrenches, jacks, and all other tools, equipment and accessories, which are shipped loose, **must** be listed on the shipping certificate or to an attached packing note;
- (d) Fuel tank(s) **must** be half to three quarters full on delivery; and
- (e) Lubricant viscosity provided **must** be in accordance with the manufacturer's specifications for the destination and the season of delivery.

4. Integrated Logistic Support

4.1 Contractor Documentation and Logistic Items

4.1.1 Items Supplied to Technical Authority

(a) Manuals for Approval

- i The Contractor **must** supply a set of manuals for each Configuration/model, in digital format, including the operator, parts and maintenance (shop repair) manuals. Manuals may cover more than one (1) configuration/model.
- ii The set of manuals **must** include manuals for all the specified accessories and features for the configuration/model. Accessory manuals may be included as supplements to the vehicle/equipment manuals.
- iii Digital copies **must** be functional without the requirement for a password, an auto-run installation procedure or an Internet connection.
- iv Digital copies **must** be supplied on a CD or DVD.
- v Digital copies **must** be supplied in a searchable PDF format.
- vi The CD or DVD **must** be provided with a printed label showing the contract and equipment information.
- vii Manuals will not be returned.
- viii Manual approval or comments will be supplied within 15 working days of receipt.
- ix The Contractor **must** supply responses to the **Technical Authority's** comments.

(b) Photographs and Line Drawings

- i The Contractor **must** supply two (2) digital colour photographs, one (1) left-front three-quarter view, and one (1) right-rear three-quarter view of each configuration/model.
- ii One (1) digital colour photograph of each attachment taken at the three-quarter view that best illustrates the attachment **must** be supplied.
- iii One (1) front-view and one (1) side-view line drawing showing dimensions of the vehicle/equipment **must** be supplied. Brochure line drawings are acceptable.
- iv Photographs **must** have a plain background.
- v Photographs **must** be in a JPEG (Joint Photographic Experts Group) format.
- vi Photographs **must** have a resolution of at least eight (8) Mega pixels.

(c) Data Summary

- i The Contractor **must** supply a bilingual data summary for each configuration/model, with vehicle/equipment data (including accessories and features) and a vehicle/equipment picture.

- ii The **Technical Authority** will supply a bilingual template of a data summary to the Contractor.
 - iii The Contractor **must** supply a digital copy (MS Word) of the completed data summary for approval.
 - iv Data summary approval or comments will be supplied within 15 working days of receipt.
 - v The Contractor **must** supply responses to the **Technical Authority's** comments.
- (d) **Safety Data Sheets**
- i The Contractor **must** supply a listing, in digital format, of all hazardous materials used on the vehicle.
 - ii If there are no hazardous materials used, this **must** be stated on the listing.
 - iii The Contractor **must** supply safety data sheets for all hazardous materials in the list.
- (e) **Warranty Letter**
- i The **Technical Authority** will supply a bilingual warranty letter template to the Contractor.
 - ii The Contractor **must** supply a complete description of the warranty with the requested warranty terms and any system or sub system warranty that exceeds the minimum requested.
 - iii The warranty letter **must** include the name and contact information of the closest designated warranty provider and other designated warranty providers across Canada.
 - iv The contractor **must** supply the original warranty letter in digital format, for each vehicle/equipment delivered, to the **Technical Authority**.
- (f) **Initial Parts Kit List**
- i The contractor **must** supply a list of parts needed to perform preventive maintenance on one (1) vehicle/equipment for a period of one (1) year in accordance with the maintenance manual for each configuration/model.
 - ii A complete change of all filters and filter elements **must** be included in the list.
 - iii The list **must** include the following elements: part description; Original Equipment Manufacturer (OEM) Part number; suggested quantity and unit cost.
- (g) **Training Plan(s)** - The Contractor **must** supply a training plan for approval for each of the training courses listed in paragraph 4.2, to the **Technical Authority**.

4.1.2 **Items Supplied with Each Vehicle/Equipment**

- (a) **Operator's Manuals** - The Contractor **must** supply an approved bilingual operator's manual in both paper and digital format with each vehicle/equipment delivered.
- (b) **Warranty Letter** - The Contractor **must** supply a copy of the warranty letter with each vehicle/equipment delivered.

(c) **Safety Data Sheets**

- i The Contractor **must** supply a set of material safety data sheets.
- ii The safety data sheets **must** be the same as those provided to the **Technical Authority** as per paragraph 4.1.1 (d).

(d) **Keys** - The contractor **must** supply two (2) keys in accordance with paragraph 3.6 (a).

(e) **Initial Parts Kit**

- i One (1) initial parts kit **must** be supplied.
- ii The initial parts kit **must** include a set of parts in the approved initial parts kit list (paragraph 4.1.1 (g)).

(f) **Paper Maintenance Manual - English**

- i The Contractor **must** supply the approved maintenance (shop repair) manuals in paper format and in English required for the maintenance and repair of the vehicle/equipment, features and accessories.
- ii The contractor may supply this deliverable as a bilingual package.

(g) **Paper Maintenance Manual - French**

- i The Contractor **must** supply the approved maintenance (shop repair) manuals in paper format and in French required for the maintenance and repair of the vehicle/equipment, features and accessories.
- ii The contractor may supply this deliverable as a bilingual package.

(h) **Digital Maintenance Manual - English**

- i The Contractor **must** supply the approved, searchable digital maintenance (shop repair) manuals in English required for maintenance and repair of the vehicle/equipment features and accessories.
- ii The contractor may supply this deliverable as a bilingual package.

(i) **Digital Maintenance Manual - French**

- i The Contractor **must** supply the approved, searchable digital maintenance (shop repair) manuals in English required for maintenance and repair of the vehicle/equipment features and accessories.
- ii The contractor may supply this deliverable as a bilingual package.

(j) **Paper Parts Manual**

- i The Contractor **must** supply the approved parts manuals for the vehicle/equipment, features and accessories.
- ii The parts manual **must** be supplied in English.
- iii It is desirable to supply the parts manual in French in addition to the English version.

- (k) **Digital Parts Manual** - The Contractor **must** supply the approved, searchable, digital parts manuals required for the vehicle/equipment, features and accessories on a CD/DVD-ROM.

4.2 **Training**

(a) **Familiarization Course - English**

- i The Contractor **must** supply a familiarization course in English, at the delivery destination, optimized for operators and technicians who are qualified on the vehicle/equipment type but require training on newer or unique features and sub-systems of the delivered model.
- ii The instructor **must** be an OEM Factory Certified Training Provider.
- iii **Curriculum**
 - 1. The familiarization course **must** include operation and maintenance segments.
 - 2. The operator's familiarization segment **must** include safety precautions to be observed while operating and servicing the vehicle/equipment, vehicle/equipment operating characteristics, pre-operating and shutdown procedures and daily/weekly operator servicing procedures.
 - 3. The operator's familiarization **must** include sub-systems including automatic grease system and pre-heaters.
 - 4. The technician's familiarization **must** include diagnostics, trouble shooting and operation of any special tools and test equipment (if any).
- iv The familiarization course **must** have a minimum duration of eight (8) hours, divided into four (4) hours for operators and four (4) hours for technicians.
- v The familiarization course **must** accommodate up to eight (8) personnel; four (4) operators and four (4) technicians.
- vi For vehicles/equipment shipped to DND, the date for the familiarization course **must** be arranged with the **Technical Authority** or the identified user or designated contact person for vehicles/equipment shipped for users other than DND.
- vii After completion of the familiarization course, the Contractor **must** have the "PROOF OF FAMILIARIZATION" certificate signed by the senior course attendee.
- viii The **Technical Authority** will supply the "PROOF OF FAMILIARIZATION" document template in a digital format.

(b) **Familiarization Course - French**

- i The Contractor **must** supply a familiarization course in French, at the delivery destination, optimized for operators and technicians who are qualified on the vehicle/equipment type but require training on newer or unique features and sub-systems of the delivered model.

ii The instructor **must** be an OEM Factory Certified Training Provider.

iii **Curriculum**

1. The familiarization course **must** include operation and maintenance segments.

2. The operator's familiarization segment **must** include safety precautions to be observed while operating and servicing the vehicle/equipment, vehicle/equipment operating characteristics, pre-operating and shutdown procedures and daily/weekly operator servicing procedures.

3. The operator's familiarization **must** include sub-systems including automatic grease system and pre-heaters.

4. The technician's familiarization **must** include diagnostics, trouble shooting and operation of any special tools and test equipment (if any).

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