



National Defence

National Defence Headquarters
Ottawa, Ontario
K1A 0K2

Défense nationale

Quartier général de la Défense nationale
Ottawa (Ontario)
K1A 0K2

REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

Proposal To: National Defence 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 and services listed herein and on any attached sheets at the price(s) set out therefore.

Proposition à : Défense nationale 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 et services énumérés ici et sur toute feuille ci-annexée, au(x) prix indique(s).

Comments - Commentaires

RETURN BIDS TO: RETOURNER LES SOUMISSIONS À :

By e-mail to: - Par courriel au :
DLP53BidsReceiving.DAAT53Receptiondessoumissions@forces.gc.ca

Attention: - Attention :
Wo il Lee DLP 5-3-5

Title - Sujet

Front End Loader

**Solicitation No.
N° de l'invitation**
W8476-226534/A

**Date of Solicitation
Date de l'invitation**
April 14, 2022 - 14 avril 2022

Address enquiries to: - Adresser toute demande de renseignements à :

Wo il Lee

Telephone No. - N° de telephone
343-572-4779

E-Mail Address - Courriel
Woil.lee@forces.gc.ca

Destination

See herein - Voir aux présentes

Instructions: Municipal taxes are not applicable. Unless otherwise specified herein all prices quoted must include all applicable Canadian customs duties, GST/HST, excise taxes and are to be delivered Delivery Duty Paid including all delivery charges to destination(s) as indicated. The amount of the Goods and Services Tax/Harmonized Sales Tax is to be shown as a separate item.

Instructions : Les taxes municipales ne s'appliquent pas. Sauf indication contraire, les prix indiqués doivent comprendre les droits de douane canadiens, la TPS/TVH et la taxe d'accise. Les biens doivent être livrés « rendu droits acquittés », tous frais de livraison compris, à la ou aux destinations indiquées. Le montant de la taxe sur les produits et services/taxe de vente harmonisée doit être indiqué séparément.

Delivery requested Livraison demandée

See herein - Voir aux présentes

Delivery offered Livraison proposée

Vendor/Firm Name and Address

Raison sociale et adresse du fournisseur/de l'entrepreneur

Solicitation Closes - L'invitation prend fin

At - à :
2:00 PM - 14:00

On - le :
May 17, 2022 - 17 mai 2022

Time Zone - Fuseau Horaire :
Eastern Daylight Time (EDT)
Heure avancée de l'Est (HAE)

Person authorized to sign on behalf of Vendor/Firm (type or print):

La personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie) :

Name - Nom

Title - Titre

Signature

Date

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PART 1 - GENERAL INFORMATION

1.1 Requirement

- A. The Department of National Defence (DND) has a requirement to procure One (1) Front End Loader for delivery to Canadian Forces Base (CFB) North Bay, Ontario. The requested delivery date is 120 Days after contract award.
- B. The requirement is detailed under the article entitled Requirement of the resulting contract clauses in Part 6.

1.2 Security Requirements

- A. There is no security requirement associated with this bid solicitation.

1.3 COVID-19 vaccination requirement

- A. This requirement is subject to the COVID-19 Vaccination Policy for Supplier Personnel. Failure to complete and provide the COVID-19 Vaccination Requirement Certification as part of the bid will render the bid non-responsive.

1.4 Comprehensive Land Claims Agreement(s)

- A. This procurement is subject to the following Comprehensive Land Claims Agreement(s):
 - (i) Labrador Inuit Land Claims Agreement.

1.5 Debriefings

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

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

A. All instructions, clauses and conditions identified in this document and any of its attachments by number, date, and title are either:

- (i) Set out in the Standard Acquisition Clauses and Conditions (SACC) Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada; or
- (ii) Included as attachments.

These documents are incorporated by reference and they form part of this document as though they were expressly set out here in full.

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

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

- (i) Section 02, Procurement Business Number, is deleted in its entirety;
- (ii) Section 05, Submission of bids, subsection 3, is deleted in its entirety;
- (iii) Section 05, Submission of bids, subsection 2, paragraph d., is deleted in its entirety and replaced with the following:
 - d. send its bid only to the location specified on page 1 of the bid solicitation or to the address specified in the bid solicitation.
- (iv) Section 05, Submission of bids, subsection 4, is amended as follows:

Delete: 60 days
Insert: 120 days
- (v) Section 06, Late bids, is deleted in its entirety;
- (vi) Section 07, Delayed bids, is deleted in its entirety and replaced with the following:

07 Delayed bids

 - 1. It is the Bidder's responsibility to ensure that the Contracting Authority has received the entire submission. Misrouting or other electronic delivery issues resulting in late submission of bids will not be accepted.
- (vii) Section 08, Transmission by facsimile or by epost Connect, is deleted in its entirety.
- (viii) Section 20, Further information, subsection 2, is deleted in its entirety.

2.2 Submission of Bids

A. Bids must be submitted only to the Department of National Defence (DND) by the date, time, and place indicated on page 1 of the bid solicitation.

B. Due to the nature of the bid solicitation, bids transmitted by facsimile will not be accepted.

C. Due to the nature of the bid solicitation, bids transmitted by epost Connect will not be accepted.

2.2.1 Electronic Submissions

A. Individual e-mails that may include certain scripts, formats, embedded macros and/or links, or those that exceed 5 megabytes may be rejected by Canada's e-mail system and/or firewall(s) without notice to the Bidder or Contracting Authority. Larger bids may be submitted through more than one e-mail. Canada will confirm receipt of documents. It is the Bidder's responsibility to ensure that their entire submission has been received. Bidders should not assume that all documents have been received unless Canada confirms receipt of each document. In order to minimize the potential for technical issues, bidders are requested to allow sufficient time before the closing date and time to confirm receipt. Bid documents submitted after the closing time and date will not be accepted.

2.3 Enquiries - Bid Solicitation

- A. All enquiries must be submitted in writing to the Contracting Authority no later than 7 calendar days before the bid closing date. Enquiries received after that time may not be answered.
- B. Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

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

A. Should bidders consider that the specifications or Requirement contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least 14 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

A. Canada requests that Bidders provide their bid in separate sections as follows:

Section I: Technical Bid: 1 soft copy in PDF format by e-mail;

Section II: Financial Bid: 1 soft copy in PDF format by e-mail;

Section III: Certifications: 1 soft copy in PDF format by e-mail; and

Section IV: Additional Information: 1 soft copy in PDF format by e-mail.

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

C. Bidders must demonstrate their compliance with the attachment to Part 4 entitled Evaluation Criteria. of the bid solicitation by providing substantial information describing completely and in detail how the requirement is met or addressed. Bidders must provide with their technical bid, a document indicating clearly where the substantial information for each of the sections identified below can be found.

3.2 Section I: Technical Bid

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

3.2.1 Substitutes and Alternatives

A. Bidders may propose substitutes and alternatives where equivalent is indicated in the Annex entitled Requirement.

B. Substitutes and alternatives that are equivalent in form, fit, function, quality and performance as detailed in the Annex entitled Requirement, will be considered for acceptance where the Bidder:

(i) Clearly identifies a substitute and/or an alternative;

(ii) Designates the brand name, model and/or part number of the substitute and/or of the product, where applicable;

(iii) States that the substitute product is fully interchangeable with the item specified in the technical requirement description;

(iv) Provides complete specifications and brochures, where applicable;

(v) Provides compliance statements that include technical details showing the substitute and/or the alternative meet all technical requirements specified in the Annex entitled Requirement; and

(vi) 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.

C. Substitutes and alternatives offered as equivalent in form, fit, function quality and performance will not be considered for acceptance by the Technical Authority if:

(i) The bid fails to provide all of the information requested to allow the Technical Authority to fully evaluate the equivalency; or

(ii) The substitute and/or the alternative fail to meet or fail to exceed the technical requirements specified in the technical requirement description.

D. Bidders are encouraged to offer or suggest green products whenever possible.

3.3 Section II: Financial Bid

A. Bidders must submit their financial bid in accordance with the attachment to Part 4 entitled Pricing Schedule.

3.3.1 Electronic Payment of Invoices - Bid

A. If you are willing to accept payment of invoices by Electronic Payment Instruments, complete the attachment to Part 3 entitled Electronic Payment Instruments, to identify which ones are accepted.

B. If the attachment to Part 3 entitled Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

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

3.3.2 Exchange Rate Fluctuation

A. The requirement does not offer exchange rate fluctuation risk mitigation. Requests for exchange rate fluctuation risk mitigation will not be considered. All bids including such provision will render the bid non-responsive.

3.4 Section III: Certifications

A. Bidders must submit the certifications and additional information required under Part 5.

3.5 Section IV: Additional Information

A. In Section IV of their bid, bidders should provide:

(i) A completed, signed, and dated Page 1 of this solicitation, or final amendment, as applicable;

(ii) The name of the person(s) and associated contact information (title, mailing address, phone number, and e-mail address) authorized by the Bidder to:

(a) Enter into communications with Canada with regards to their bid, and any contract that may result from their bid;

(b) Coordinate delivery and follow-up; and

(c) Provide after sales service, maintenance, warranty repairs, and a full range of repair parts for the vehicle/equipment offered.

(iii) Any other information submitted in the bid not already detailed.

3.5.1 Delivery Date(s)

A. Any delivery date(s) offered will not be included in the evaluation.

3.5.1.1 Firm Goods and/or Services

A. Delivery of the Firm Goods and/or Services is requested on or before 120 days from date of contract. If a longer delivery period is required, the Bidder must submit the best delivery that could be offered, in the form of either a fixed date or a period of time from contract award. Failure to submit a date or time period will be taken as acceptance of delivery within the requested timeframe.

3.5.2 Warranty Period

3.5.2.1 Manufacturer's Standard Warranty Period

- A. Canada requests that the Bidder provide details of the manufacturer's standard warranty period for the equipment and components that exceeds the minimum warranty period of 24 months or 2,000 hours of usage, whichever comes first. Any additional manufacturer's standard warranty such as those derived from the Original Equipment Manufacturer (OEM) for component/subassemblies will form part of the proposed contract.

3.5.2.2 Extended Warranty Period

- A. Canada requests that the Bidder indicate if an extended warranty period is being offered that exceeds the Manufacturer's Standard Warranty Period.
- B. If the Bidder indicates that an extended warranty period is being offered, Canada requests that the Bidder provide details and pricing information of any extended warranty period available for the vehicle/equipment and any ancillary items.
- C. Any extended warranty period offered will not be included in the financial evaluation.

ATTACHMENT 1 TO PART 3 - ELECTRONIC PAYMENT INSTRUMENTS

A. The Bidder accepts to be paid by any of the following Electronic Payment Instrument(s):

- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI); and
- Wire Transfer (International Only).

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 and Valcom Consulting Group Inc. will evaluate the bids.

4.1.1 Technical Evaluation

- A. Mandatory technical evaluation criteria are included in the attachment to Part 4 entitled Evaluation Criteria.

4.1.2 Financial Evaluation

4.1.2.1 Firm Goods and/or Services

- A. The price of the bid will be evaluated in Canadian dollars, Delivered Duty Paid (DDP) destination, Incoterms 2010, Canadian customs duties and excise taxes included, Applicable Taxes excluded.

4.2 Basis of Selection - Lowest Evaluated Price, Mandatory Technical Criteria

- A. A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest aggregate evaluated price will be recommended for award of a contract.

ATTACHMENT 1 TO PART 4 - EVALUATION CRITERIA

See attached document entitled:

“Technical Evaluation Matrix Front End Loader” dated 2021-07-06.

ATTACHMENT 2 TO PART 4 - PRICING SCHEDULE

1. General

- A. Bidders must submit a Firm Unit Price for each Item.
- B. Bidders are requested to complete the following Pricing Schedule and include it in the bid.
- C. All prices and costs must be submitted in Canadian Dollars, Canadian customs duties and excise taxes included, Applicable Taxes excluded.

2. Firm Goods and/or Services

2.1 Front End Loader

- A. The Firm Unit Price(s) include(s) associated specifications, trainings, and deliverables as per Annex A, Requirement, Delivered Duty Paid (DDP) specified Delivery Point, Incoterms 2010:

Item	Delivery Point	Quantity Required (A)	Firm Unit Price (B)	Total (C = A x B)
001	CFB North Bay 22 Wing North Bay Bldg 15 Hornell Heights ON P0H 1P0	1	\$	\$

PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION

5.1 General

- A. Bidders must provide the required certifications and additional information to be awarded a contract.
- B. The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, 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.
- C. 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.

5.1.2 Certifications - Contract

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

5.2 Certifications Required with the Bid

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

5.2.1 Integrity Provisions - Declaration of Convicted Offences

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

5.2.2 COVID-19 vaccination requirement certification

- A. In accordance with the COVID-19 Vaccination Policy for Supplier Personnel, all Bidders must provide with their bid, the COVID-19 Vaccination Requirement Certification attached to this bid solicitation, to be given further consideration in this procurement process. This Certification incorporated into the bid solicitation on its closing date is incorporated into, and forms a binding part of any resulting Contract.

COVID-19 Vaccination Requirement Certification:

I, _____ (first and last name), as the representative of _____ (name of business) pursuant to _____ W8476-226534/A (insert solicitation number), warrant and certify that all personnel that _____ (name of business) will provide on the resulting Contract who access federal government workplaces where they may come into contact with public servants will be:

(a) fully vaccinated against COVID-19 with Health Canada-approved COVID-19 vaccine(s); or

(b) for personnel that are unable to be vaccinated due to a certified medical contraindication, religion or other prohibited grounds of discrimination under the Canadian Human Rights Act, subject to accommodation and mitigation measures that have been presented to and approved by Canada;

until such time that Canada indicates that the vaccination requirements of the COVID-19 Vaccination Policy for Supplier Personnel are no longer in effect.

I certify that all personnel provided by _____ (name of business) have been notified of the vaccination requirements of the Government of Canada's COVID-19 Vaccination Policy for Supplier Personnel, and that the _____ (name of business) has certified to their compliance with this requirement. I certify that the information provided is true as of the date indicated below and will continue to be true for the duration of the Contract. I understand that the certifications provided to Canada are subject to verification at all times. I also understand that Canada will declare a contractor in default, if a certification is found to be untrue, whether made knowingly or unknowingly, during the bid or contract period. Canada reserves the right to ask for additional information to verify the certifications. Failure to comply with any request or requirement imposed by Canada will constitute a default under the Contract.

Signature: _____
Date: _____ .

Information you provide on this Certification Form and in accordance with the Government of Canada's COVID-19 Vaccination Policy for Supplier Personnel will be protected, used, stored and disclosed in accordance with the Privacy Act. Please note that you have a right to access and correct any information on your file, and you have a right to file a complaint with the Office of the Privacy Commissioner regarding the handling of your personal information. These rights also apply to all individuals who are deemed to be personnel for the purpose for the Contract and who require access to federal government workplaces where they may come into contact with public servants.

5.3 Certifications Precedent to Contract Award and Additional Information

- A. 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 specified will render the bid non-responsive.

5.3.1 Integrity Provisions - Required Documentation

- A. In accordance with the section titled "Information to be provided when bidding, contracting, or entering into a real procurement agreement" of 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.

5.3.2 Federal Contractors Program for Employment Equity - Bid Certification

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

5.3.3 Product Conformance

- A. 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 Annex A, Requirement. This certification does not relieve the bid from meeting all mandatory technical evaluation criteria detailed in Part 4.

Signature of Bidder's Authorized Representative 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 Requirements

- A. There is no security requirement applicable to the Contract.

6.2 Requirement

- A. The Contractor must provide the item(s) detailed under the Requirement at Annex A and the Basis of Payment at Annex B.

6.2.1 Technical Changes, Substitutes, and Alternatives

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

6.3 Standard Clauses and Conditions

- A. All clauses and conditions identified in the Contract by number, date and title are set out in the *Standard Acquisition Clauses and Conditions (SACC) 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

- A. 2010A (2021-12-02), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract, with the following modification:
- (i) Article 01, Interpretation, definition of "Canada", "Crown", "Her Majesty" or "the Government", is deleted in its entirety and replaced with the following:
- "Canada", "Crown", "Her Majesty" or "the Government" means Her Majesty the Queen in right of Canada as represented by the Minister of National Defence and any other person duly authorized to act on behalf of that minister or, if applicable, an appropriate minister to whom the Minister of National Defence has delegated his or her powers, duties or functions and any other person duly authorized to act on behalf of that minister.
- (ii) Article 09, Warranty, subsections 1 and 2 are deleted in their entirety and replaced with the following:
1. Despite inspection and acceptance of the Work by or on behalf of Canada and without restricting any provisions of the Contract or any condition, warranty or provision imposed by law, the Contractor, if requested by Canada to do so, must replace, repair or correct, at its own option and expense any work that becomes defective or fails to conform to the requirements of the Contract, where applicable. The warranty period will be 12 months after delivery and acceptance of the Work or the length of the Contractor's or manufacturer's standard warranty period, whichever is longer.

2. 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.

All other provisions of the warranty section remain in effect.

6.3.2 Existing Technical Publications - Translation

- A. The Contractor grants to Canada a non-exclusive, perpetual, irrevocable and royalty-free license to translate and reproduce for government use all or any part of the technical publications supplied with the equipment delivered under the Contract. Copyright in the translation made by Canada or by independent contractors engaged by Canada will belong to Canada.

6.3.3 Compliance with on-site measures, standing orders, policies and rules

- A. The Contractor must comply and ensure that its employees and subcontractors comply with all security measures, standing orders, policies or other rules in force at the site where the Work is performed.

6.3.4 Suspension of the work

- A. 1. The Contracting Authority may at any time, by written notice, order the Contractor to suspend or stop the Work or part of the Work under the Contract for a period of up to 180 days. The Contractor must immediately comply with any such order in a way that minimizes the cost of doing so. While such an order is in effect, the Contractor must not remove any part of the Work from any premises without first obtaining the written consent of the Contracting Authority. Within these 180 days, the Contracting Authority must either cancel the order or terminate the Contract, in whole or in part, under section(s) Default by the Contractor or Termination for convenience of general conditions [2010A](#) (2021-12-02).

2. When an order is made under subsection 1, unless the Contracting Authority terminates the Contract by reason of default by the Contractor or the Contractor abandons the Contract, the Contractor will be entitled to be paid its additional costs incurred as a result of the suspension plus a fair and reasonable profit.

3. When an order made under subsection 1 is cancelled, the Contractor must resume work in accordance with the Contract as soon as practicable. If the suspension has affected the Contractor's ability to meet any delivery date under the Contract, the date for performing the part of the Work affected by the suspension will be extended for a period equal to the period of suspension plus a period, if any, that in the opinion of the Contracting Authority, following consultation with the Contractor, is necessary for the Contractor to resume the Work. Any equitable adjustments will be made as necessary to any affected conditions of the Contract.

6.4 Term of Contract

6.4.1 Period of the Contract

- A. The period of the Contract is from date of Contract to **to be detailed in the resulting contract** inclusive.

6.4.2 Delivery Dates

- A. All the deliverables must be received on or before the date(s) specified in Annex B of the Contract.

6.4.3 Delivery Points

- A. Delivery of the requirement must be made to delivery point(s) specified at Annex B of the Contract.
- B. The Contractor must deliver the goods by appointment only. The Contractor is responsible for contacting the Technical Authority in advance of shipping to obtain the contact information for the delivery point(s). The Contractor or its carrier must arrange delivery appointments by contacting the delivery point(s). The consignee(s) may refuse shipments when prior arrangements have not been made. 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 additional costs.

6.5 Authorities

6.5.1 Contracting Authority

- A. The Contracting Authority for the Contract is:

Name: Wo il Lee
Title: Materiel Acquisition and Support Officer
Position: DLP 5-3-5
Address: Department of National Defence Headquarters
101 Colonel By Drive
Ottawa, Ontario K1A 0K2
Telephone: 343-572-4779
E-mail: woil.lee@forces.gc.ca

- B. 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 Technical Authority

- A. The Technical Authority for the Contract is:

[Contact information to be detailed in the resulting contract]

Name: _____
Title: _____
Position: _____
Address: Department of National Defence Headquarters
101 Colonel By Drive
Ottawa, Ontario K1A 0K2
Telephone: _____
E-mail: _____

- B. 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.

6.5.3 Contractor's Representative

[Contact information to be detailed in the resulting contract]

Name: _____
Title: _____
Address: _____

Telephone: _____

E-mail: _____

6.5.4 After Sales Service

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

[Contact information to be detailed in the resulting contract]

Name: _____

Title: _____

Address: _____

Telephone: _____

E-mail: _____

6.6 Payment

6.6.1 Basis of Payment

6.6.1.1 Firm Unit Price

- A. In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm unit price, as specified in Annex B for a cost of \$[amount to be detailed in the resulting contract]. Customs duties are included and Applicable Taxes are extra.
- B. For the firm price portion of the Work only, Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.6.2 Limitation of Price

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

6.6.3 Method of Payment

6.6.3.2 Multiple Payments

- A. Canada will pay the Contractor upon completion and delivery of units in accordance with the payment provisions of the Contract if:
- (i) an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
 - (ii) all such documents have been verified by Canada; and
 - (iii) the Work delivered has been accepted by Canada.

6.6.4 Electronic Payment of Invoices

- A. The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

[List to be updated in the resulting contract]

- (iii) Direct Deposit (Domestic and International);

- (iv) Electronic Data Interchange (EDI) (International only); and
- (v) Wire Transfer (International Only).

6.7.1 Invoicing Instructions

- A. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
- B. Each invoice must contain or be supported by the applicable documents:
 - (i) The serial number(s), or a copy of the New Vehicle Information Statement (NVIS) containing the Vehicle Identification Number(s) (VIN);
 - (ii) A copy of proof(s) of training
 - (iii) A copy of the release document and any other documents as specified in the Contract;
 - (iv) A description of the Work delivered; and
 - (v) A breakdown of the cost elements.
- C. Invoices must be distributed as follows:
 - (i) The invoice along with any required supporting documentation must be forwarded to the Contracting Authority for certification and payment at:

Email: **[email to be detailed in the resulting contract]**
 - (ii) By submitting a .pdf copy, the Contractor certifies that the .pdf copy of each invoice will be considered as the original invoice. In addition, the Contractor must indicate the contract number and name of the Contracting Authority in its covering e-mail.

6.7.2 Holdback

- A. A 10% holdback will apply on the total value of any due payment.
- B. Applicable Taxes must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no Applicable Taxes payable as it was claimed and payable under the previous invoice.
- C. Release of the 10% holdback is conditional upon receipt and certified acceptance of all Work under this Contract.
- D. Invoicing instructions for the holdback are as detailed in the clause entitled "Invoicing Instructions".

6.8 Certifications and Additional Information

6.8.1 Compliance

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

6.9 Applicable Laws

- A. The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario **or as specified by the bidder in its bid, if applicable**.

6.10 Priority of Documents

- A. 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:
- (i) The Articles of Agreement;
 - (ii) The General Conditions 2010A (2021-12-02), General Conditions - Goods (Medium Complexity);
 - (iii) Annex A, Requirement;
 - (iv) Annex B, Basis of Payment; and
 - (v) the Contractor's bid dated [date to be specified in the resulting contract], as clarified on [date to be specified in the resulting contract, if required], and as amended on [date to be specified in the resulting contract, if required].

6.11 Defence Contract

- A. The Contract is a defence contract within the meaning of the Defence Production Act, R.S.C. 1985, c. D-1 (<http://laws-lois.justice.gc.ca/eng/acts/d-1/>), and must be governed accordingly.
- B. Title to the Work or to any materials, parts, work-in-process or finished work must belong to Canada free and clear of all claims, liens, attachments, charges or encumbrances. Canada is entitled, at any time, to remove, sell or dispose of the Work or any part of the Work in accordance with section 20 of the Defence Production Act.

One of the following options will be inserted in the resulting contract, as applicable:

Option 1: When the contract is to be with a Canadian-based supplier; or

6.12 Foreign Nationals (Canadian Contractor)

- A. The Contractor must comply with Canadian immigration requirements applicable to foreign nationals entering Canada to work temporarily in fulfillment of the Contract. If the Contractor wishes to hire a foreign national to work in Canada to fulfill the Contract, the Contractor should immediately contact the nearest Service Canada regional office to enquire about Citizenship and Immigration Canada's requirements to issue a temporary work permit to a foreign national. The Contractor is responsible for all costs incurred as a result of non-compliance with immigration requirements.

Option 2: When the contract is to be with a foreign-based supplier.

6.12 Foreign Nationals (Foreign Contractor)

- A. The Contractor must comply with Canadian immigration legislation applicable to foreign nationals entering Canada to work temporarily in fulfillment of the Contract. If the Contractor wishes to hire a foreign national to work in Canada to fulfill the Contract, the Contractor should immediately contact the nearest Canadian Embassy, Consulate or High Commission in the Contractor's country to obtain instructions, information on Citizenship and Immigration Canada's requirements and any required documents. The Contractor is responsible to ensure that foreign nationals have the required information, documents and authorizations before performing any work under the Contract in Canada. The Contractor is responsible for all costs incurred as a result of non-compliance with immigration requirements.

6.13 Insurance - No Specific Requirement

- A. The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.

6.14 Inspection and Acceptance

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

6.15 Post-Contract Award Meeting

- A. Within 10 days of the date of 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 Contracting Authority to review technical and contractual requirements. The Contractor must prepare and distribute the minutes of the meeting within 5 calendar days after the completion of the meeting. The meeting will be held at the Contractor's facility or via teleconference at Canada's discretion at no additional cost to Canada, with representatives of the Contractor and the Department of National Defence.

6.16 Quality Management Systems - Requirements (Quality Assurance Code C)

- A. The Contractor is responsible for implementing a quality system appropriate to the scope of the work to be performed. It is recommended that the quality system be based on ISO 9001:2015 "Quality management systems - Requirements."
- B. The Contractor is responsible for performing or having performed all inspections and tests necessary to substantiate that the materiel or services provided conform to the drawings, specifications and the requirements of the contract. The Contractor must keep accurate and complete inspection records which must, upon request, be made available to the authorized Department of National Defence (DND) representative, who may make copies and take extracts during the performance of the Contract and for a period of 1 year after the completion of the Contract.
- C. Despite the above, all materiel is subject to verification and acceptance by DND at destination. The authorized DND representative at destination may either be the consignee(s), the Technical Authority, or the Quality Assurance Authority.

6.17 Material

- A. Material supplied must be new unused and of current production by manufacturer.

6.18 Interchangeability

- A. 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.

6.19 Vehicle Safety

- A. Each vehicle supplied pursuant to the Contract must meet the applicable provisions of the [Motor Vehicle Safety Act](http://laws-lois.justice.gc.ca/eng/acts/M-10.01/page-1.html), S.C. 1993, c. 16 (<http://laws-lois.justice.gc.ca/eng/acts/M-10.01/page-1.html>), and the applicable regulations that are in force on the date of its manufacture.

6.20 Recall Notices

- A. All recall notices must be forwarded to the Technical Authority identified in this Contract.

6.21 Packaging

- A. The methods used for preservation and packaging must be in conformity with the Contractor's normal standard for domestic shipment or, if necessary, with standards for overseas shipment as below deck cargo.

6.22 Wood packaging materials

- A. All wood packaging materials used in shipping must conform to the [International Standards for Phytosanitary Measures No. 15: Regulation of Wood Packaging Material in International Trade \(ISPM 15\)](https://www.ippc.int/en/core-activities/standards-setting/ispms/) (<https://www.ippc.int/en/core-activities/standards-setting/ispms/>).
- B. Pertinent additional information on Canada's import and export programs is provided in the following Canadian Food Inspection Agency policy directives:
- (i) D-98-08 - [Entry Requirements for Wood Packaging Materials Produced in All Areas Other Than the Continental United States](http://www.inspection.gc.ca/plants/plant-protection/directives/forestry/d-98-08/eng/1323963831423/1323964135993) (<http://www.inspection.gc.ca/plants/plant-protection/directives/forestry/d-98-08/eng/1323963831423/1323964135993>); and
 - (ii) D-13-01 - [Canadian Heat Treated Wood Products Certification Program \(HT Program\)](http://www.inspection.gc.ca/plants/forestry/exports/ht-program/eng/1319462565070/1319462677967) (<http://www.inspection.gc.ca/plants/forestry/exports/ht-program/eng/1319462565070/1319462677967>).

6.23 Preparation for Delivery

- A. The equipment must be serviced, adjusted and delivered in condition for immediate use. The equipment must be cleaned before leaving the factory and being released to Inspection Authority or consignee personnel at the final delivery point.

6.24 Delivery of Dangerous Goods/Hazardous Products

- A. The Contractor must mark dangerous goods/hazardous products which are classed as dangerous/hazardous as follows:
- (i) shipping container - in accordance with the [Transportation of Dangerous Goods Act](http://laws-lois.justice.gc.ca/eng/acts/T-19.01/), 1992, c. 34 (<http://laws-lois.justice.gc.ca/eng/acts/T-19.01/>); and
 - (ii) immediate product container - in accordance with the [Hazardous Products Act](http://laws-lois.justice.gc.ca/eng/acts/H-3/), R.S., 1985, c. H-3 (<http://laws-lois.justice.gc.ca/eng/acts/H-3/>).
- B. The Contractor must provide bilingual Safety Data Sheets, indicating the NATO Stock Number as follows:
- (i) 2 hard copies:
 - (a) 1 copy to be enclosed with the shipment, and
 - (b) 1 copy to be mailed to:

National Defence Headquarters
MGen George R. Pearkes Building
101 Colonel By Drive
Ottawa, Ontario K1A 0K2
Attention: DSCO 5-4-2
 - (ii) 1 copy sent in any electronic format to the following address: MSDS-FS@FORCES.GC.CA.
- C. The Contractor will be responsible for any damages caused by improper packaging, labelling or carriage of dangerous goods/hazardous products.

- D. The Contractor must ensure they adhere to all levels of regulations regarding dangerous goods/hazardous products as set forth by federal, provincial, and municipal laws and by-laws.
- E. The Contractor must contact the consignee (i.e. Supply Depot Traffic Section) at least 48 hours before shipping dangerous goods/hazardous products in order to schedule a receiving time.

6.25 Tools and Loose Equipment

- A. 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.

6.26 Delivery and Unloading

- A. 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.
- B. When making deliveries, sufficient personnel must be provided to permit unloading of any type of vehicle without the assistance of federal government personnel.
- C. At some sites, the delivery truck must be unloaded while parked at the curb. When material is placed on the sidewalk, it must be placed in proximity to the designated entrance so as to be readily accessible to transport by mechanical handling equipment utilized by site personnel.

6.27 Incomplete Assemblies

- A. The Contractor must not ship incomplete assemblies unless the authorization for such shipment has been obtained from the Contracting Authority.

6.28 Work Site Access

- A. Authorized representatives of Canada must have access to any site where any part of the Work is being carried out at any time during working hours to make examinations and such tests of the Work as they may think fit.

6.29 Canadian Forces Site Regulations

- A. The Contractor must comply with all standing orders or other regulations, instructions, and directives in force on the site where the Work is performed.

6.30 Marking

- A. The Contractor must ensure that the manufacturer's name and part number are clearly stamped or etched on each item for positive identification purposes.

6.31 Labelling

- A. The Contractor must ensure that the manufacturer's and specification numbers appear on each item, either printed on the container or on an adhesive label of highest commercial standard affixed to the container.

6.32 Dispute Resolution Services

- A. The parties understand that the Procurement Ombudsman appointed pursuant to subsection 22.1 (1) of the Department of Public Works and Government Services Act will, on request of a party, provide a proposal for an alternative dispute resolution process to resolve any dispute arising between the parties respecting the interpretation or application of a term or condition of this contract. The parties may consent to participate in the proposed alternative dispute resolution process and to bear the cost of such process. The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at boa.opo@boa.opo.gc.ca.

ANNEX A - REQUIREMENT

See attached document(s) entitled:

“Purchase Description Front End Loader”, dated 2021-07-06.

ANNEX B - BASIS OF PAYMENT

1. General

A. All prices and costs are in Canadian Dollars, Canadian customs duties and excise taxes included, Applicable Taxes excluded.

2. Firm Goods and/or Services

2.1 Front End Loader

A. The Firm Unit Price(s) include(s) associated specifications, trainings, and deliverables as per Annex A, Requirement, Delivered Duty Paid (DDP) specified Delivery Point, Incoterms 2010:

Item	Delivery Point	Delivery Date	Quantity Required	Make/Model	Firm Unit Price
001	CFB North Bay 22 Wing North Bay Bldg 15 Hornell Heights ON POH 1P0	[Date to be detailed in the resulting contract]	1	To be added in the resulting contract	\$(Cost to be detailed in the resulting contract)

3 Option Extended Warranty Period

A. 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, applicable taxes are extra.



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.

TECHNICAL EVALUATION MATRIX
FRONT END LOADER

This questionnaire covers technical information, which **must** be provided for evaluation of the configuration(s) of the equipment offered.

Where the specification paragraphs below indicate “**Substantial Information**”, the “**Substantial Information**” describing completely and in detail how the requirement is met or addressed **must** be supplied for each performance requirement/specification.

Bidder is required to indicate the document name/title and page number where the **Substantial Information** can be found.

Definitions for **Equivalent** is found in the DEFINITION section at the end of this document.

BIDDER INFORMATION

Bidder Name: _____

Address: _____

Proposal Date: _____

Substitutes/Alternatives

Are any equipment substitutes/alternatives offered as **Equivalent**? YES NO

If yes, please identify all equipment substitutes/alternatives offered as **Equivalents** below:

OPI: DSVPM 4 – BPR: DAPVS 4

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

<u>FRONT END LOADER</u>				
PD Reference	Requirement	Substantial Information required	Value	Location of Substantial Information in Bid Proposal
3.4	The vehicle must be an articulated 4-wheel drive front-end loader.	Vehicle Make		Provide brochure or specification document.
		Vehicle Model		
3.4.1 (a)	The loader must have a net peak power, as referenced in ISO 9249, of at least 150 kW.	Net Peak Power	kW	
3.4.1 (b)	The loader must have a full turn tipping load, as referenced in ISO 14397-1, of at least 11,000 kg, measured with the loader brochure published general-purpose bucket, pinned directly to the standard loader arms, using deflected tire values.	Full Turn Tipping Load	kg	
3.4.1 (c)	The loader must have a breakout force, as referenced in ISO 14397-1, of at least 130 kN, measured with the loader brochure published general-purpose bucket, pinned directly to the loader arms.	Breakout Force	kN	
3.5 (k)	<p><u>Hydraulically Adjustable 4-Foot Forks</u></p> <ul style="list-style-type: none"> i. A forklift attachment for mounting on the loader arms must be provided. ii. The forks must have a nominal length of 1,219 mm. iii. The spacing of the forks must be adjustable up to the width of the loader arms. iv. The 4-Foot forklift attachment fork width (spacing) adjustment must be hydraulically powered with controls inside the cab. v. The 4-Foot forklift attachment must be supplied with detachable extensions with nominal length of 1,830 mm. 			Provide brochure or specification document.

<u>FRONT END LOADER</u>				
3.5 (l)	<p><u>12-Foot Reversible Snow Plow</u></p> <ul style="list-style-type: none"> i. A 12-Foot hydraulic reversible snow plow must be provided. ii. The 12-foot reversible snow plow must have a blade width of no less than 3,450 mm and no more than 3,860 mm. iii. The reversible snow plow must angle 30-degrees both to the left and to the right hand side of the vehicle with controls inside the cab. iv. The reversible snow plow must have multi section, bolt-on, replaceable cutting edges. v. The cutting edges must be equipped with self-resetting trip mechanisms. 			Provide brochure or specification document.

DEFINITION

The following definition applies to the interpretation of this Technical Evaluation Matrix:

- a) **“Equivalent”** - A standard, means, or component type, which has been accepted by the Technical Authority as meeting the specified requirements for form, fit, function and performance.



NOTICE

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AVIS

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PURCHASE DESCRIPTION
FRONT END LOADER

1. SCOPE

1.1 **Scope.** This specification covers the requirements for an articulated, four-wheel drive, front-end loader and attachments.

1.2 **Instructions**

- (a) Requirements that 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 requires 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 **Equivalent 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.
- (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 that differ from the actual dimensions.

1.3 **Definitions**

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

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2. APPLICABLE DOCUMENTS

2.1 Government Furnished Documents. NOT APPLICABLE

2.2 Other Publications. Canada will not supply reference documents. Effective documents are those in effect on the date of the manufacture of the vehicle. Information on the organization is supplied below.

- (a) Hazardous Products Act
Government of Canada / Department of Justice
<http://laws-lois.justice.gc.ca/eng/acts/H-3/>
- (b) International Organization for Standardization (ISO)
ISO Central Secretariat
Chemin de Blandonnet 8
CP 401
1214 Vernier, Geneva
Switzerland
<http://www.iso.org/iso/home.htm>
- (c) SAE Standards
SAE World Headquarters
400 Commonwealth Dr.,
Warrendale, PA, 15096-0001
<http://www.sae.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 the 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.
- (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 **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 on-road and off-road operations (e.g. construction sites, open fields and dirt tracks) during all seasons, in all-weather conditions.

3.3 Safety Standards

3.3.1 Hazardous Materials. The contractor **must** comply with the Hazardous Products Act of Canada with regards to the use of hazardous materials, ozone depleting substances, polychlorinated

biphenyls, asbestos and heavy metals used in the manufacture and assembly of the product supplied.

3.4 **Performance.** The vehicle **must** be an articulated 4-wheel drive front-end loader.

3.4.1 **Loader Performance**

- (a) The loader **must** have a net peak power, as referenced in ISO 9249, of at least 150 kW.
- (b) The loader **must** have a full turn tipping load, as referenced in ISO 14397-1, of at least 11,000 kg, measured with the loader brochure published general-purpose bucket, pinned directly to the standard loader arms, using deflected tire values.
- (c) The loader **must** have a breakout force, as referenced in ISO 14397-1, of at least 130 kN, measured with the loader brochure published general-purpose bucket, pinned directly to the loader arms.

3.5 **Equipment and Attachments.** All equipment and attachments for mounting on the loader arms **must** have couplers that match the coupler provided for the loader.

(a) **Loader Arms**

- i A set of manufacturer's integral standard loader arms **must** be provided.
- ii The standard loader arms **must** be provided with a lift arm safety device, as referenced in ISO 10533.

(b) **Protection Against Vandalism.** Protection against vandalism including provision for locking engine covers and all filler caps **must** be provided.

(c) **Tool Compartment**

- i A tool compartment to hold all tools and loose equipment required for daily maintenance **must** be provided.
- ii The tool compartment **must** be of weatherproof construction with anti-return type drainage.
- iii The tool compartment **must** have compartment cover provided with a means to be secured using a padlock or a common keyed lock.

(d) **Fenders.** The manufacturer's standard full fenders **must** be provided for all wheels.

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

(f) **License Plate Holders.** Front and rear license plate holders **must** be provided.

(g) **JRB Quick Coupler.** A JRB-style hydraulic quick coupler **must** be provided.

(h) **General-Purpose Bucket with Cutting Edge**

- i A general-purpose bucket with cutting edge **must** be provided.
- ii The general-purpose bucket with cutting edge **must** have a heaped capacity, rated in accordance with ISO 7546, of at least 3.0 m³.
- iii The general-purpose bucket with cutting edge **must** have a width of no less than that of the vehicle (measured at the tires).
- iv The general-purpose bucket with cutting edge **must** be equipped with reversible, bolt-on, replaceable cutting edge(s).

(i) **General-Purpose Bucket with Teeth**

- i A general-purpose bucket with teeth **must** be provided.

- ii The general-purpose bucket with teeth **must** have a heaped capacity, rated in accordance with ISO 7546, of at least 3.0 m³.
- iii The general-purpose bucket with teeth **must** have a width of no less than the overall vehicle width (measured at the tires).
- iv The general-purpose bucket with teeth **must** be equipped with bolt-on, replaceable teeth.

(j) **Snow/Light Material Bucket**

- i A snow/light material bucket **must** be provided.
- ii The snow/light material bucket **must** have a heaped capacity, rated in accordance with ISO 7546, of no less than 3.8 m³.
- iii The snow/light material bucket **must** have a width of no less than the overall vehicle width (measured at the tires).
- iv The snow/light material bucket **must** be equipped with reversible, bolt-on, replaceable cutting edge(s).
- v The snow/light material bucket **must** be marked to indicate that its intended use is to carry snow and light material.

(k) **Hydraulically Adjustable 4-Foot Forks**

- i A forklift attachment for mounting on the loader arms **must** be provided.
- ii The forks **must** have a nominal length of 1,219 mm.
- iii The spacing of the forks **must** be adjustable up to the width of the loader arms.
- iv The 4-Foot forklift attachment fork width (spacing) adjustment **must** be hydraulically powered with controls inside the cab.
- v The 4-Foot forklift attachment **must** be supplied with detachable extensions with nominal length of 1,830 mm.
- vi The capacity of the forks **must** be compatible with the rated operating capacity of the loader.
- vii The forks **must** be approved by the vehicle OEM for use on the specific loader.
- viii The rated capacity of the forks **must** be permanently marked on the forklift attachment.

(l) **12-Foot Reversible Snow Plow**

- i A 12-Foot hydraulic reversible snow plow **must** be provided.
- ii The 12-foot reversible snow plow **must** have a blade width of no less than 3,450 mm and no more than 3,860 mm.
- iii The reversible snow plow **must** angle 30-degrees both to the left and to the right hand side of the vehicle with controls inside the cab.
- iv The reversible snow plow **must** have multi section, bolt-on, replaceable cutting edges.
- v The cutting edges **must** be equipped with self-resetting trip mechanisms.

3.6 **Operator Station**

3.6.1 **ROPS Cab**

- (a) The vehicle **must** be provided with a ROPS cab incorporating a certified Roll Over Protective Structure (ROPS).

- (b) The ROPS cab **must** be weatherproof, pressurized and insulated.
- (c) The ROPS cab **must** be provided with a heating system with ventilation and defrosting systems to keep windows free from frost and moisture.
- (d) The ROPS cab **must** be provided with safety glass in the windows.
- (e) The ROPS cab **must** be provided with windshield wipers and washer system.
- (f) The ROPS cab **must** be provided with two lockable doors, or one door and at least one visibly labelled window as an emergency escape route.

3.6.2 **Suspension Seat**

- (a) The vehicle **must** be provided with a cloth covered padded air suspension seat with backrest.
- (b) The seat **must** be equipped with seat belts conforming to SAE J386.
- (c) The seat **must** be provided with fore/aft and vertically adjustment without the operator having to move from a seated position.

3.6.3 **Mirrors**

- (a) The vehicle **must** be provided with adjustable rear-view mirrors positioned for safe reverse operation.
- (b) Heated exterior mirrors **must** be provided.

3.6.4 **Air Conditioner**. The manufacturer's standard air conditioning system **must** be provided.

3.6.5 **Radio**

- (a) An AM/FM radio **must** be provided.
- (b) The radio **must** be blue-tooth equipped.
- (c) The radio **must** turn off automatically when the vehicle is turned off.

3.7 **Ride Control System**. An automatic ride control system **must** be provided for the cushioning of the vehicle and carried load.

3.8 **Engine**. Commercially equipped.

3.8.1 **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) The engine **must** have one of the following systems: ether injection, glow plug(s), intake air preheat or **Equivalent**.
- (c) A heated fuel filter/water separator **must** be provided to preheat diesel fuel prior to starting.
- (d) One or more 110-Volt engine heaters that have a capacity as recommended by the engine manufacturer or conforming to SAE J1310 **must** be provided.
- (e) The engine **must** be provided with one or more 110-volt battery heaters that have a wattage matched to battery size to prevent battery damage due to overheating.
- (f) External electrical power for engine and battery heaters **must** be a single cover-protected plug, accessible by an operator standing beside the vehicle.
- (g) The external plug **must** include or be accompanied by a LED light to indicate when power is being supplied to the 110 Volt components.

(h) **Fuel-Fired Pre-Heater**

- i An Original Equipment Manufacturer approved fuel-fired engine coolant preheat system **must** be provided.
- ii The fuel-fired pre-heater **must** be provided with a 7 day programmable timer.
- iii The fuel-fired pre-heater **must** draw its fuel from the vehicle fuel tank and operate without power from outside the vehicle.

3.9 **Tires**

- (a) Winter tires **must** be provided.
- (b) The winter tires **must** be Michelin "X Snowplus" or **Equivalent**.

3.10 **Controls**. Commercially equipped.

3.11 **Instruments**. The instruments **must** include an hour-meter that displays accumulated running time up to 9,999 hours.

3.12 **Electrical System**.

- (a) Commercially equipped.
- (b) **Battery Solar Charger**
 - i A Battery Solar Charging System **must** be provided.
 - ii The Battery Solar Charging System **must** be **Equivalent** to NSN 6130-01-487-0035.
 - iii The solar charger panel **must** be mounted on an angle of between 10 and 15 degrees in a protected location.

3.13 **Lighting**

- (a) The lighting package **must** include work lights to illuminate to the front and rear of the vehicle.
- (b) The work lights **must** be activated by a separate dashboard switch.
- (c) The work lights **must** be LED or **Equivalent**.
- (d) **Amber Coloured Beacon**
 - i An amber-coloured omni-directional, non-rotating strobe light or **Equivalent must** be provided.
 - ii The beacon **must** be mounted so as to provide maximum visibility.
 - iii The beacon **must** be LED or **Equivalent**.

3.14 **Hydraulic System**

- (a) The manufacturer standard hydraulic system and connections to accommodate all attachments and accessories requested **must** be provided.
- (b) The vehicle **must** be provided with third function hydraulics with hydraulic hoses and connectors located near end of loader arms for use with hydraulic attachments. This is in addition to hydraulics required for the hydraulic coupler.

3.14.1 **Hydraulic Oil Heater**

- (a) A hydraulic oil heater **must** be provided.
- (b) The heater **must** have a thermostatic control system to prevent overheating of the hydraulic oil.

3.15 **Severe Cold Weather Lubricants and Hydraulic Fluids**

- (a) The vehicle, attachments and accessories **must** be provided with original equipment manufacturer recommended synthetic non-proprietary severe cold weather lubricants and hydraulic fluids.
- (b) Lubrication fittings **must** conform to SAE J534 or an **Equivalent** North American Standard.
- (c) A service label, visible from the operator's seat, indicating the types of fluid and viscosity delivered with the vehicle **must** be provided.

3.15.2 **Automatic Greasing System**

- (a) The vehicle **must** be equipped with an automatic greasing system.
- (b) The system **must** automatically provide grease to all greasing points recommended by the vehicle manufacturer including the quick coupler greasing points.
- (c) The grease provided to the greasing points **must** be metered in accordance with the vehicle manufacturer's specifications.
- (d) The system **must** include a telltale light indicating that the system is functioning and a low grease level alarm.

3.16 **Labels**. All written warning and instruction labels **must** be in English and French.

3.17 **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) Fuel tank(s) **must** be half to three quarters full on delivery.

4. INTEGRATED LOGISTICS SUPPORT (ILS)

4.1 **Deliverables**

4.1.1 **General Requirements**

- (a) Sample ILS documents **must** be submitted to the **Technical Authority** prior to the delivery of the vehicle/equipment for each configuration/model and their accessories, for approval. Sample ILS documents will not be returned.
- (b) **Technical Authority** approval, request for additional documentation or request for amendments will be supplied within 15 working days of receipt.
- (c) The Contractor **must** supply the additional documentation or implement the changes as requested by the **Technical Authority**.
- (d) **Digital Documents**
 - i All digital copies **must** be supplied in searchable PDF format unless stated otherwise.
 - ii Digital copies **must** be functional without the requirement for a password, an auto-run installation procedure or an Internet connection.
 - iii Digital copies of manuals **must** be supplied to the TA by email or e-transfer and with the trailer on a CD or DVD (**USB sticks will not be accepted**).
 - iv Digital copies of other ILS documents **must** be provided by email/e-transfer to the TA or on CD or DVD.

v CD/DVD **must** be permanently and legibly marked with the equipment description and a list of contents.

(e) **Paper Documents.** All paper copies of ILS documents delivered **must** have the same content as the digital copy approved by the **Technical Authority**.

4.1.2 **ILS Deliverables.** The following table indicates the ILS elements that the Contractor **must** deliver, including the medium (paper or digital), the expected means of delivery and the reference paragraph.

Element	Format/ Medium	Delivered to TA by E- mail for approval	Delivered to TA by e- mail/courier for approval	Supplied with each Vehicle/ equipment	Remarks	Reference Paragraph
Photograph and Line Drawing Package	Digital	X 30 days before delivery of vehicle	-	-	JPEG	4.2.1
Data Summary	Digital	X 30 days before delivery of vehicle	-	-	Microsoft Word	4.2.2
Initial Parts Kit List	Digital	X 30 days before delivery of vehicle	-	-	PDF	4.2.3
Warranty Letter	Digital	X 30 days before delivery of vehicle	-	-	PDF	4.2.4
	Paper	-	-	X	-	
Safety Data Sheets Package	Digital	X 30 days before delivery of vehicle	-	-	PDF	4.2.5
	Paper	-	-	X	-	
Set of Manuals	Digital	-	X 30 days before delivery of vehicle	X	PDF - on CD/DVD with equipment*	4.2.6
	Paper	-	-	X	-	
Initial Parts Kit	-	-	-	X	1 kit	4.2.7
Set of keys	-	-	-	X	2 sets	4.2.8

Note: * One CD/DVD should be used for all e-manuals covering a configuration/model and its accessories.

4.1.3 **Training deliverables.** The following table indicates the ILS Training elements that the Contractor **must** deliver, including the expected means of delivery and the reference paragraph.

Element	Format/ Medium	Delivered to TA by E- mail for approval	Remarks	Reference Paragraph
Course Syllabus	Digital	X 30 days before delivery of vehicle	-	4.3.1
Familiarization Training	-	-	Delivery in person, at the location specified in the contract. Approximately 30 days after delivery of equipment, to be coordinated with TA .	4.3.1
Proof of Training Certificate	Digital	X After training delivery is complete	TA will provide template	4.3.1

4.2 **ILS Elements Description**

4.2.1 **Photograph and Line Drawing Package**

- (a) DND requires photographs and line drawings for documentation and cataloguing purposes. The Photograph and Line Drawing Package **must** include:
- i 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; and
 - iii One (1) front-view and one (1) side-view line drawing showing dimensions of the vehicle/equipment. Brochure line drawings are acceptable.
- (b) Photographs **must** have a plain background and be in a JPEG (Joint Photographic Experts Group) format with a resolution of at least eight (8) Mega pixels.

4.2.2 **Data Summary**

- (a) The **Technical Authority** will supply a bilingual Data Summary Template (in Microsoft Word format) to the Contractor.
- (b) The data summary **must**:
- i Use the **Technical Authority** provided bilingual template;
 - ii Be a separate document for each configuration/model;
 - iii Include accessories and features; and
 - iv Be delivered in Microsoft Word format.

4.2.3 **Initial Parts Kit List**

- (a) The Initial Parts Kit List **must** include:

- i A complete 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 list of parts needed to perform a complete change of all filters and filter elements; and
- iii The following elements for each part listed: part description; Original Equipment Manufacturer (OEM) Part number; suggested quantity; and, unit cost.

4.2.4 **Warranty Letter**

- (a) The **Technical Authority** will supply a bilingual Warranty Letter Template (in PDF format) to the Contractor.
- (b) The Warranty Letter **must**:
 - i Use the **Technical Authority** provided bilingual template;
 - ii Contain a complete description of the warranty requested with the warranty terms and conditions;
 - iii Contain the complete warranty details on any system or sub system warranty that exceeds the minimum requested; and
 - iv Contain the name and contact information of the closest designated warranty provider and other designated warranty providers across Canada.

4.2.5 **Safety Data Sheets Package**

- (a) The Safety Data Sheets Package **must** include:
 - i A bilingual (or a separate French and an English) list of all hazardous materials used on the vehicle/equipment; and
 - ii A complete bilingual set (or a set in French and a set in English), off all the safety data sheets for all hazardous materials in the list.
- (b) If there are no hazardous materials used, this **must** be stated on the list.

4.2.6 **Set of Manuals**

- (a) The set of manuals for each configuration/model **must** include:
 - i The French and English (or bilingual) operator manual(s);
 - ii The French and English (or bilingual) maintenance (shop repair) manual(s); and
 - iii The English or bilingual parts manual(s).
- (b) The set of manuals **must** include manuals (operator, maintenance (shop repair) and parts) for all major components, all attachments, accessories and features for the configuration/model supplied. Accessory manuals may be included as supplements to the vehicle manuals.

4.2.7 **Initial Parts Kit**. The Contractor **must** supply one (1) complete set of parts contained in the approved Initial Parts Kits List with each vehicle/equipment.

4.2.8 **Set of keys**. The Contractor **must** supply at least two (2) sets of keys with each vehicle/equipment.

4.3 **Familiarization Training**

- (a) The Contractor **must** deliver one familiarization course optimized for trained operators and technicians.
- (b) The course **must** be delivered at the delivery destination.

- (c) The course **must** be delivered in English.
- (d) The instructor **must** be an OEM Factory Certified Training Provider.
- (e) **Course Syllabus**
 - i The Contractor **must** provide the familiarization training course syllabus, in the same language as the course delivery, for review and approval by the **Technical Authority**.
 - ii The operator familiarization portion of the course **must** include, but is not limited to, safety precautions to be observed while operating and servicing, operating characteristics, calibration, pre-operating and pre-shutdown procedures and daily/weekly operator servicing procedures for the vehicle/equipment, attachments, features and accessories.
 - iii The technician familiarization portion of the course **must** include, but is not limited to, operation and maintenance safety precautions, overview of air, hydraulic and electrical systems (as applicable), preventive maintenance including servicing schedules, inspection and maintenance requirements, special tools and test equipment (as applicable), diagnostics, troubleshooting, testing and adjustments for the vehicle/equipment, attachments, features and accessories.
- (f) The familiarization course **must** have a minimum duration of four (4) hours for operators and four (4) hours for technicians.
- (g) The familiarization course **must** accommodate up to eight (8) people (4 operators and 4 technicians).
- (h) The date for the familiarization course **must** be coordinated with the **Technical Authority**.
- (i) After completion of the familiarization course, the Contractor **must** have the “**Proof of Training**” certificate signed by the senior course attendee.
- (j) The **Technical Authority** will supply the “**Proof of Training**” certificate template in a digital format.