

**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 0A1 / Noyau 0A1
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

Title - Sujet DUAL TRACKED ARCTIC MOBILITY VEHIC.		
Solicitation No. - N° de l'invitation W8476-155225/A		Date 2014-11-04
Client Reference No. - N° de référence du client W8476-155225		
GETS Reference No. - N° de référence de SEAG PW-\$\$HL-604-66067		
File No. - N° de dossier hl604.W8476-155225	CCC No./N° CCC - FMS No./N° VME	
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-12-15		Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>		
Address Enquiries to: - Adresser toutes questions à: Burke, Robert		Buyer Id - Id de l'acheteur hl604
Telephone No. - N° de téléphone (819) 956-3852 ()		FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: <div>Specified Herein Précisé dans les présentes</div>		

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

Fuel & Construction Products Division
11 Laurier St./11, rue Laurier
7A2, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

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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File No. - N° du dossier

hl604W8476-155225

Buyer ID - Id de l'acheteur

hl604

Client Ref. No. - N° de réf. du client

W8476-155225

CCC No./N° CCC - FMS No/ N° VME

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TITLE: DUAL TRACKED ARCTIC MOBILITY VEHICLE

PART 1 - GENERAL INFORMATION

1. Introduction

The bid solicitation and resulting contract document is divided into seven (7) 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 and states that the Bidder agrees to be bound by the clauses and conditions contained in all parts of 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 Security, Financial and Other Requirements includes specific requirements that must be addressed by bidders; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The attachments include the Annex A - Pricing, Annex B - the purchase description and Annex C - the technical information questionnaire.

2. Summary

The Department of National Defence has a requirement to purchase quantity two (2) Dual Tracked Arctic Mobility Vehicle and ancillary items, in accordance with the Purchase Description, Dual Tracked Arctic Mobility Vehicle, dated 2014-09-19, and as described at Annex A - Pricing.

3. Trade Agreements

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement, the North American Free Trade Agreement, the Canada-Columbia Free Trade Agreement, the Canada-Peru Free Trade Agreement, the Canada-Panama Free Trade Agreement and the Agreement on Internal Trade.

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4. Debriefings

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

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

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 (2014-09-25) 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. Submission of Bids

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

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 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.

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.

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.

6. Environmental Considerations

Canada is committed to greening its supply chain. In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to acquire products and services that have a lower impact on the environment than those traditionally acquired. Environmental performance considerations include, among other things: the reduction of greenhouse gas emissions and air contaminants; improved energy and water efficiency; reduced waste and support reuse and recycling; the use of renewable resources; reduced hazardous waste; and reduced toxic and hazardous substances. In accordance with the Policy on Green Procurement, for this solicitation:

The successful bidder will be requested, after contract award, to provide all correspondence including (but not limited to) documents, reports and invoices in electronic format unless otherwise specified by the Contracting Authority, thereby reducing printed material.

Bidders should recycle (shred) unneeded copies of non-classified/secure documents (taking into consideration the Security Requirements).

Product components used in performing the services should be recyclable and/or reusable, whenever possible.

PART 3 - BID PREPARATION INSTRUCTIONS

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)

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.

1. Substitutes and Alternatives

Bidders may propose substitutes and alternatives where "shall^(E)" is indicated in the technical requirement description (Purchase Description/Statement of Requirement/Statement of Work).

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 bid in accordance with the Basis of Payment specified in Part 7 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.

1. SACC Manual Clauses

1.1 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 [PWGSC-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.

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

1. Certifications

Bidders must submit the certifications required under Part 5.

Section IV: Additional Information

1. Additional Information

Canada requests that bidders submit the following information:

1.1 Delivery

1.1.1 Firm Quantity

While delivery of the equipment/vehicle is requested by 31 March, 2015, the best delivery that could be offered is as follows:

Item 001 – quantity two (2) Dual Tracked Arctic Mobility Vehicle and ancillary items will be delivered within _____ weeks/calendar days from the effective date of the contract.

1.2 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. _____

E-mail address: _____

1.3 After Sales Service

Item 1

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 number: _____

1.4 Manufacturer's Standard Warranty Period

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

1.5 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.

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

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.

1.1. Mandatory Technical Evaluation Criteria

1.1.1 Mandatory Proof of Compliance

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

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.

1.2. Mandatory Financial Evaluation Criteria

1.2.1. Bidders must provide with their bid all financial information requested in the bid solicitation and at Annex A - Pricing for item 001.

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. Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

1.2.3 Aggregate Evaluated Price

Bids will be evaluated on an aggregate price basis for the firm quantity, 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;

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

Bidders must provide the required certifications and associated 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 in carrying out any of its obligations under the Contract, 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 may render the bid non-responsive or constitute a default under the Contract.

1. Certifications Required Precedent to Contract Award

1.1 Integrity Provisions – Associated Information

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions 2003. The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

1.2 Federal Contractors Program for Employment Equity - Bid Certification

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

2. Additional Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications 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 comply with the request of the Contracting Authority and to provide the certifications within the time frame provided will render the bid non-responsive.

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2.1 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

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PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS

1. Security Requirement

There is no security requirement associated with this bid solicitation.

2. Financial Capability

SACC Reference	Title	Date
A9033T	Financial Capability	2012-07-16

PART 7 - RESULTING CONTRACT CLAUSES

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

1. Requirement - Contract

The Contractor must deliver quantity two (2) Dual Tracked Arctic Mobility Vehicle and ancillary items, in accordance with the Purchase Description Dual Tracked Arctic Mobility Vehicle, dated 2014-09-19, and at Annex A - Pricing.

1.1 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.

2. 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.

2.1 General Conditions

2010A (2014-09-25), 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:

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.

3. Term of Contract

3.1 Delivery Date

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

Firm Quantity

Item 001 – Quantity two (2) Dual Tracked Arctic Mobility Vehicle and ancillary items must be delivered within to be inserted by PWGSC weeks/calendar days from the effective date of the contract.

4. Authorities

4.1 Contracting Authority

The Contracting Authority for the Contract is:

Robert Burke
Supply Team Leader
Public Works and Government Services Canada
Acquisitions Branch
LEFTD - HL Division
Place du Portage, Phase III, 7A2
Gatineau, Quebec K1A 0S5
Telephone: 819-956-3852
Facsimile: 819-956-5227
E-mail address: Robert.Burke@tpsgc-pwgsc.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.

4.2 Procurement Authority

The Procurement Authority for the contract is:

To be inserted by PWGSC

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.

4.3 Technical Authority

The Technical Authority for the Contract is:

To be inserted by PWGSC

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.

4.4 Contractor's Representative

General enquiries

Name: To be inserted by PWGSC

Telephone No. _____

Facsimile No. _____

E-mail address: _____

Delivery follow-up

Name: To be inserted by PWGSC

Telephone No. _____

Facsimile No. _____

E-mail address: _____

4.5 After Sales Service

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

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

Name:

Address:

Telephone Number:

5. Payment

5.1 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:

5.1.1 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.

5.2 SACC Manual Clauses

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

5.3 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 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. Invoicing

6.1 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions.

2. Invoices cannot be submitted before delivery, inspection and acceptance of the vehicle/equipment/service.

3. The Applicable Taxes must be calculated on the total amount of the invoice before the holdback is applied. At the time the holdback is claimed, there will be no taxes payable as they were claimed and payable under the previous invoice for the vehicle/equipment/service.

4. Upon delivery, inspection and acceptance of all ancillary items related to such vehicle/equipment/service the Contractor can submit an invoice for the release of the holdback.

5. Each invoice must be supported by:

(a) a copy of the invoices, receipts, vouchers for all direct expenses, and all travel and living expenses;

6. The Contractor is requested to provide invoices in electronic format unless otherwise specified by the Contracting Authority or Procurement Authority, thereby reducing printed material.

7. Invoices must be distributed as follows:

(a) The original must be forwarded or emailed to the Procurement Authority identified under the section entitled "Authorities" of the Contract for acceptance and payment.

(b) One (1) copy must be forwarded or emailed to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

(c) One (1) copy must be forwarded to the consignee.

6.2 Holdback

1. Canada will apply a ten (10) percent holdback on any due payment for the vehicle/equipment/service 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.

7. Certifications

7.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing associated 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 associated 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.

8. Applicable Laws - Contract

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

9. 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 (2014-09-25) General Conditions - Medium Complexity - Goods;
- (c) Annex A - Pricing;
- (d) Annex B - Purchase Description for Dual Tracked Arctic Mobility Vehicle;
- (e) The Contractor's bid dated (to be inserted by PWGSC) _____, as amended (to be inserted by PWGSC) _____.

10. 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
C2800C	Priority Rating	2013-01-28
C2801C	Priority Rating - Canadian Contractors	2011-05-16

D5545C	ISO 9001:2008 Quality Management Systems - Requirements (QAC C)	2010-08-16
D5604C	Release Document (DND) - Foreign Based Contractor	2008-12-12
D5605C	Release Documents (DND) - United States-based Contractor	2010-01-11
D5606C	Release Documents (DND) - Canadian-based Contractor	2012-07-16
G1005C	Insurance	2008-05-12
D9002C	Incomplete Assemblies	2007-11-30
D2025C	Wood Packaging Materials	2013-11-06

11. 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 its 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.

12. 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.

13. 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.

14. Release Documents - Distribution

The Contractor must prepare the release documents in a current electronic format and distribute them as follows:

One (1) copy mailed to consignee marked: "Attention: Receipts Officer";

Two (2) copies with shipment (in a waterproof envelope) to the consignee;

One (1) copy to the Contracting Authority;

One (1) copy to:

National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A OK2
Attention: DLP 5-5-1-5

One (1) copy to the Quality Assurance Representative;

One (1) copy to the Contractor; and

For all non-Canadian contractors, one (1) copy to:

DQA/Contract Administration
National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A OK2
E-mail: ContractAdmin.DQA@forces.gc.ca.

15. 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.

16. Progress Reports

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

The Contractor must answer the following questions:

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

Each negative response must be supported with an explanation.

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.

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.

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.

20. Environmental Considerations

Canada is committed to greening its supply chain. In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to acquire products and services that have a lower impact on the environment than those traditionally acquired. Environmental performance considerations include, among other things: the reduction of greenhouse gas emissions and air contaminants; improved energy and water efficiency; reduced waste and support reuse and recycling; the use of renewable resources; reduced hazardous waste; and reduced toxic and hazardous substances. In accordance with the Policy on Green Procurement:

The Contractor is requested to provide all correspondence including (but not limited to) documents and reports in electronic format unless otherwise specified by the Contracting Authority, thereby reducing printed material.

The Contractor should recycle (shred) unneeded copies of non-classified/secure documents (taking into consideration the Security Requirements).

Solicitation No. – N° de l’invitation
W8476-155225/A

Amd No. - N° de la modif.

Buyer ID – Id de l’acheteur
hl604

Client Ref. No. – N° de réf. Du client
W8476-155225

File No - N° de dossier
hl604W8476-155225

Product components used in performing the services should be recyclable and/or reusable, whenever possible.

Solicitation No. – N° de l’invitation
W8476-155225/A

Amd No. - N° de la modif.

Buyer ID – Id de l’acheteur
hl604

Client Ref. No. – N° de réf. Du client
W8476-155225

File No - N° de dossier
hl604W8476-155225

ANNEX A - PRICING

Item 001 – Dual Tracked Arctic Mobility Vehicle (Firm Quantity)

The Contractor must deliver quantity two (2) Dual Tracked Arctic Mobility Vehicle and ancillary items such as but not limited to vehicle manuals, warranty letter, special tools list, operator training and maintenance personnel training in accordance with the attached Purchase Description, Dual Tracked Arctic Mobility Vehicle, dated 2014-09-19.

The Dual Tracked Arctic Mobility Vehicle and ancillary items listed above must be delivered to:

CFB ASU SUP Edmonton
Major Equipment Section
Replenishment Company (CMTT)
107 Street & 137 Avenue Bldg C8
Edmonton, AB
T5J 4J5

The contractor must deliver, to the DND Technical Authority, other ancillary items such as but not limited to Manuals and sample manuals, line setting ticket, PMPRK list, special tools list and RSPL (list only) in accordance with the attached Purchase Description, Dual Tracked Arctic Mobility Vehicle, dated 2014-09-19.

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

Firm lot price of \$_____ per vehicle/equipment and ancillary items, Delivered Duty Paid CFB ASU SUP Edmonton, in accordance with Part 7, Basis of Payment Type 1.

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



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 FOR DUAL TRACKED ARCTIC MOBILITY VEHICLE

1. SCOPE

1.1 Scope - This Purchase Description describes the requirements for a dual tracked personnel and cargo vehicle to support arctic patrols.

1.2 Instructions - The following instructions *shall* be applied to this Purchase Description:

- (a) Requirements, which are identified by the word “*shall*”, are mandatory. Deviations will not be permitted;
- (b) Requirements identified by “*shall*^(E)” are mandatory. The Technical Authority will consider substitutes/alternatives for acceptance as an Equivalent;
- (c) Requirements identified with a “will” define actions to be performed by Canada and require no action/obligation on the Contractor’s part;
- (d) Where “*shall*”, “*shall*^(E)”, or “will” are not used, the information provided is for guidance only;
- (e) In this document “provided” *shall* means “provided and installed”;
- (f) Where technical certification is required, a copy of the certification or an acceptable **Proof of compliance** *shall* be provided upon request, at no cost to Canada;

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

- (g) Metric measurements **shall** be used to define the requirement. Other measurements are for reference only and may not be exact conversions; and
- (h) Dimensions stated as nominal **shall** 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 - The following definitions apply to the interpretation of this Purchase Description:

- (a) **“Technical Authority”** - The government official responsible for technical content of this requirement;
- (b) **“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;
- (c) **“Proof of Compliance”** - Is defined as an unaltered document, such as a brochure and/or technical literature and/or a third party test report provided by a nationally and/or internationally recognized testing facility and/or a report generated by a nationally and/or internationally recognized third party software. The document **shall** provide detailed information on each performance requirement and/or specification. Where a document submitted as Proof of Compliance does not cover all the performance requirements and/or specifications or when no such document is available or when modifications to the original equipment or customization are required to achieve the performance requirements and/or specifications, a Certificate of Attestation (as a separate document) signed by a senior representative of the Original Equipment Manufacturer (OEM) detailing the modifications and how they meet the performance requirements and/or specifications shall be provided. The certificate shall detail all performance requirements and/or specifications required to substantiate compliance. One certificate can be provided for one or all performance requirements and/or specifications.

2. APPLICABLE DOCUMENTS

2.1 Other Publications - The following documents form part of this purchase description. Web sites for the organization are given when available. Effective documents are those in effect on date of manufacture. Sources are as shown:

Occupational Health and Safety Act (OHSA), 1990
Ontario Ministry of Labour,
400 University Ave.,
Toronto, Ontario M7A 1T7
<http://www.labour.gov.on.ca/>

SAE Handbook
Society of Automotive Engineers Inc.
400 Commonwealth Dr.,
Warrendale, PA, 15096

<http://www.sae.org>

3. REQUIREMENTS

3.1 **Standard Design** - The tracked vehicle/equipment *shall*:

- (a) **Latest Model** - Be the manufacturer's latest model
- (b) **Industry Acceptability** – Have demonstrated industry acceptability by having been manufactured and sold commercially for at least 2 years;
- (c) **Engineering Certification** - Have engineering certification available, upon demand, for this vehicle/equipment from the original manufacturers of major equipment systems and assemblies;
- (d) **Regulation** - Conform to all applicable laws, regulations and industrial standards governing manufacture, safety, noise levels and pollution in effect in Canada at the time of manufacture;
- (e) **Published Ratings** – Not have system and component capacities increased above published ratings (i.e. product or component brochures) or accompanied by proof of compliance; and
- (e) **Standard Components** - Include all components, equipment, and accessories normally supplied for this application, although they may not be specifically described in this Purchase Description.

3.1.1 **Design Principles**

- (a) **Standard Components** - Commercially available standard parts complying with commercial standards *shall* be used wherever possible;
- (b) **Interchangeability** - All components, assemblies, and sub-assemblies used in the construction *shall* be designed and manufactured to dimensional tolerances, which will permit interchangeability and facilitate replacement of parts;
- (c) **Spare Parts** - The manufacturer *shall* select components readily available for a minimum period of fifteen (15) years from the date of manufacture;
- (d) **Maintainability** - All maintenance and repair tasks, especially routine operator maintenance, *shall* be easy to perform with a minimum of special tools and skills; and
- (e) **Modularity** - Major assemblies *shall* be easily disconnected and removed from the tracked vehicle without the necessity for extensive disassembly of components.

3.2 **Operating Conditions**

3.2.1 **Weather** - The tracked vehicle/equipment *shall* operate under the extremes of weather conditions found in Canada in temperatures ranging from -40 to 37° C (-40 to 99° F).

3.2.2 **Terrain** - Terrain conditions *shall* include year round operations on snow, mud, sand and ice.

3.3 **Safety**

3.3.1 **Noise Levels** - The noise level *shall not* exceed:

- (a) 85 decibels (dB(A)) in the cab when measured in accordance with SAE Recommended Practice J336; and
- (b) 86 decibels (dB(A)) at the tracked vehicle platform when measured in accordance with SAE Recommended Practice J1096.

3.3.2 Human Engineering and Safety – The tracked vehicle/equipment, all systems and components *shall*:

- (a) Be safe and easy to use by a 95th percentile male or 5th percentile female under all operating conditions as published in SAE Recommended Practice J833;
- (b) Have all entry and exit points equipped with handles and steps suitably positioned, to accommodate a 95th percentile male or a 5th percentile female under all operating conditions; and
- (c) Be equipped, where required for operator safety, with safety features such as warning and instruction plates, non-slip walking surfaces and heat shields.

3.4 Tracked Vehicle Performance – The tracked vehicle with all specified equipment installed and fully loaded *shall* have the following performance:

- (a) Have a minimum forward speed of at least 25 km/h;
- (b) Have an uphill climbing capability of at least 60%;
- (c) Have a side slope operating capability of at least 30%;
- (d) Have a ground pressure with 7.5 cm track penetration of a maximum 13.7 KPa fully loaded;
- (e) Payload of a minimum of 750 kg.

3.4.1 Weights and Dimensions

- (a) **Gross Vehicle Weight Rating (GVWR)** – The tracked vehicle *shall* have a gross vehicle weight not exceeding the GVWR, as published in the manufacturer’s literature and engineering data;
- (b) **Centre of Gravity** – The centre of gravity of the tracked vehicle/equipment under all loading conditions and driving positions *shall* be within the chassis manufacturer’s allowable conditions.
- (c) The following information *shall* be provided:
 - i Overall Width (OW): Width of body including tracks
 - ii Overall Height (OH): Height of body
 - iii Overall Length (OL): Length of body
 - iv Ground Clearance
 - v Curb weight

- (d) Component, vehicle load and capacity ratings **shall** not be raised above normal commercial levels in order to meet the requirements of this purchase description.

3.4.2 **Vehicle Delivery Condition** – The tracked vehicle/equipment **shall** be delivered to destination in a fully operational condition (serviced and adjusted) and both the interior and exterior **shall** be cleaned. If the tracked vehicle requires assembly at destination, the Contractor **shall** be responsible for all manpower and equipment to perform assembly. The consignee will provide the area required for assembly. For shipment verification, all items such as wheel wrenches, jacks, and all other tools, equipment and accessories, which are shipped loose with the equipment, **shall** be listed on the shipping certificate or to an attached packing note.

3.5 Cab and Cargo Deck

3.5.1 **Cab** – The tracked vehicle cab **shall** be a minimum four (4)-person cab. The cab **shall**^(E) include:

- (a) **Doors** - Doors for entry and egress. The cab doors **shall** be equipped with locks, capable of being opened independently from the exterior and interior of the cab;
- (b) **Ergonomic Features** - Hand grips, steps (not removable), and other features required for the safe entry and egress for the range of fifth percentile female to ninety-fifth percentile male;
- (c) **Front mounted brush-guard;**
- (d) **Premium Insulation** – Premium insulation in the cab including the floor;
- (e) **Trim** – Manufacturer’s standard interior trim;
- (f) **Seats** –The seats shall include retractable 3-points seat belt assembly for all personnel;
- (g) **Stretcher** – This vehicle will be used on occasion to evacuate injured personnel from the tundra or ice so a means **shall** be provided to load and secure horizontally a non-ambulatory patient on a standard NATO stretcher NSN 6530-01-380-7309 of nominal dimensions of 239 cm (94 in) L x 58.5 cm (23 in) W x 15.25 cm (6 in) deep.
- (h) **Mats** - Heavy duty rubber matting or spray polyurethane coating installed over the entire cab floor;
- (i) **Temperature Controls** - High output temperature controlled fresh air heater and defroster adequate for the operating conditions specified;
- (j) **Air-Conditioning** - Air-Conditioning equipped with all components and controls required for regulation of the cab interior temperature. The air conditioning system **shall** not use ozone-depleting refrigerants (chlorofluorocarbons (CFCs)) and **shall**^(E) use hydrofluorocarbons (HFCs);
- (k) **Interior sun visors;**
- (l) **Mirror** - External rear view mirrors with replaceable heads and glass, located on each side of the tracked vehicle which provide the clearest possible undistorted view to the rear from the driver’s position. The mirrors **shall** be constructed such that the mirror glass is shock mounted and sealed

against the ingress of moisture; The mirrors **shall**^(E) be equipped with defroster elements, a convex portion on each side, and be capable of folding rearward against the tracked vehicle;

- (m) **Windshield wipers** - Intermittent windshield wiper(s) capable of clearing the windshield during driving operations and where the wiper blades **do not** travel from a vertical centre windshield position to a horizontal position near the roof line;

3.5.1.1 **Roll-over Protection**: The cab **shall** be ISO 3471 or SAE J1040 Roll-over protection certified.

3.5.2 **Cargo deck** – The cargo deck **shall** be the manufacturer's standard or standard option proven suitable in service in this application. The cargo deck **shall**^(E) include:

- (a) Cargo area sufficient to transport a minimum of one snowmobile of 3500 mm (137.795 in) length x 1250 mm (49.212 in) width x 1100 mm (43.307 in) height;
- (b) Folding rear deck entrance steps;
- (c) Assist grab handles at all deck entrances;
- (d) At least six (6) recessed tie-down loops on the deck, evenly spaced, for cargo lashing;

3.5.3 **Trailer Capability** – The following **shall** be provided for the capability to attach a trailer:

- (a) Rear pintle hook complete with frame reinforcement capable of towing the maximum allowed Gross Trailer Weight for the tracked vehicle provided. The pintle hook **shall**^(E) be Holland Hitch model PH-T-60-AOL-8.
- (b) Two (2) safety chain towing shackles **shall** be installed on both sides of the pintle hook.
- (c) In case a plate is required for pintle hook installation, the plate **shall** be fabricated using steel. Stress analysis **shall** be conducted to confirm the ability of the plate to withstand the maximum towed load capability of the vehicle. The result of the analysis **shall** be provided to the Technical Authority upon request. A line drawing for the plate design **shall** be provided to Technical Authority upon request. The line drawing shall detail the location of the following components:
 - i The licence plate;
 - ii Licence plate light and guard; and
 - iii Two shackles.

3.6 Engine – The engine **shall**^(E) be turbocharged and **shall** be capable of operating on diesel fuel to the CAN/CGSB Standard 3.517-2007. The engine **shall** be compliant with current EPA standards at the time of production. The design of the engine system **shall** include:

- (a) A control system suitable for this application;

- (b) A horsepower sufficient enough to meet all performance requirements; and
- (c) Engine manufacturer's certification *shall* be available upon request.

3.6.1 **Engine Components** - The engine *shall* include:

- (a) A severe service air cleaner protected from the ingress of rain and snow;
- (b) A full flow oil filter with a spin-on or replaceable type element;
- (c) A governor to limit engine speed to the operating range recommended by the engine manufacturer;
- (d) Engine coolant and a heavy duty cooling system recommended by the OEM that is capable of operating within the conditions stated in section 3.2;
- (e) An automatic shutdown system for low oil pressure and high coolant temperature. Indicator lights *shall*^(E) be located at each control station to indicate a shut down due to low oil pressure or high temperature; and
- (f) Any measures other than those already required by this purchase description that are necessary to adhere to the engine manufacturer's recommendations for tracked vehicle operation under the conditions listed in paragraph 3.2.1.

3.6.2 **Fuel Tank(s)** – The design of the fuel tank(s) *shall*:

- (a) Include a tank with a minimum capacity for 10 hours continuous operation;
- (b) Include primary and secondary fuel filters;
- (c) Include a non-spill type air vent with filler cap marked "Diesel Fuel Only";
- (d) Include sufficiently protected drain valve(s);
- (e) Include a switch for selection of the fuel tank and gauge, if more than one fuel tank is provided; and
- (f) Be at least half full when delivered to the destination.

3.6.3 **Primary Cold Weather Aids** – The engine *shall* be equipped with cold weather aids to enable the engine (operating with winter grade fuels/oils) to be started at soak temperatures down to -40° Celsius (-40° Fahrenheit), without an external power source. The following *shall*^(E) be included:

- (a) **Fuel Filter** - A water separator/fuel filter incorporating an electrical heating system to preheat diesel fuel prior to starting. The heater *shall* be thermostatically controlled.
- (b) **Fuel Heater** - An in-line fuel heater. The heater *shall*^(E) be thermostatically controlled to prevent fuel temperature from rising above approximately 43° Celsius (110° Fahrenheit) and be a heat exchanger type connected to the cooling system; and

- (c) **Low Temperature Starting Aids** - The engine *shall*^(E) have glow plugs and / or intake air preheat system.

3.6.4 **Auxiliary Cold Weather Aids** - The engine *shall* be equipped with auxiliary cold weather aids and both *shall*^(E) be connected on one outlet. The following auxiliary cold weather aids *shall* be:

- (a) **Block Heater** - 110-volt engine heater(s) with a capacity as recommended by the engine manufacturer or conforming to SAE Information Sheet J1310;
- (b) **Battery Heater** - 110-volt battery heater(s) having wattage matched to battery size to prevent battery damage due to overheating; and
- (c) **Coolant Heater** - 12-volt coolant heater with a capacity of 17000 BTU/h.

3.6.5 **Exhaust System** – The exhaust system *shall*:

- (a) Be non-intrusive to the tracked vehicle; and
- (b) Include a flame arrester.
- (c) Be applicable to meet the engine EPA standards.

3.7 **Track Drive Train and Suspension** - The track drive train and suspension *shall*^(E):

- (a) Be a two-speed, at a minimum, hydrostatic system;
- (b) Include two (2) independent hydrostatic pumps, one for each track;
- (c) Include an oil cooler of a capacity approved by the hydrostatic drive system manufacturer for the service intended;
- (d) Include an oil filter;
- (e) Include sufficient number of road wheels per track suitable for the requirement in this purchase description. Each road wheel *shall* have an independent torsion axle;
- (f) Include a drive sprocket and an idler for each track;
- (g) Include an adjustable tensioner. The tensioner *shall* be designed such that it can be adjusted at the operator skill level.

3.7.1 **Tracks** – The track *shall* be rubber to reduce the destruction of the vulnerable soft tundra while providing enough depth in the grouser to provide traction in mud and snow. An ice cleat *shall*^(E) be provided for additional traction on Arctic ice when necessary.

3.7.2 **Power Take-Off (PTO)** – The tracked vehicle *shall*^(E) have provisions for installing a PTO system. The Contractor *shall* provide the Technical Authority with the information that would be suitable

for these provisions.

3.8 Braking system - The tracked vehicle *shall* be equipped with hydrostatic service brakes.

3.8.1 **Parking Brakes** – The parking brakes *shall* be pressure release, spring applied, multi-disc type brakes. Parking brakes *shall* be automatically engaged prior to engine start-up.

3.9 Steering - The tracked vehicle *shall* be equipped with power assisted steering by means of joy sticks or a steering wheel.

3.10 Vehicle Controls - Controls *shall*^(E) conform to the general criteria set out in SAE J1814 and J898 and *shall*:

- (a) Not restrict the operator's field of view;
- (b) Be permanently marked to identify and show function of each control lever or switch with markings/instructions in English and French or international symbols as defined by SAE J1362. Markings *shall* include permanently attached instructions detailing operation of the engine, hydrostatic drive system, and attachments; and
- (c) Have controls easily accessible to the operator.

3.11 Vehicle Instruments – Instruments *shall* be readily visible while seated in the tracked vehicle driver's seat. Panel instrument lamps *shall*^(E) have a dimmer switch. Instruments *shall* include:

- (a) **Electrical Meter** - Ammeter or voltmeter;
- (b) **Oil pressure** - Oil pressure gauge with a low engine oil pressure indicator;
- (c) **Fuel Gauge(s)** - A fuel gauge or fuel gauges, as required;
- (d) **Coolant Temperature** – Coolant temperature gauge with a high coolant temperature indicator;
- (e) **Hydrostatic Drive System Temperature Gauge** - Hydrostatic drive system temperature gauge or warning device to indicate high temperature;
- (f) **Hour-meter** - An hour-meter with numeric display, which accurately records accumulated engine running time up to at least 9,999 hours; and
- (g) **Tachometer**.

3.12 **Winch** – The following winch *shall* be provided:

- (a) **Front and Rear Winch** – A portable electric winch *shall*^(E) be provided as follows:
 - i The winch *shall* have a rated first layer capacity of at least 4,536 kg (10,000 lbs);
 - ii The winch *shall*^(E) be provided with a 76 m (250 feet) long cable;
 - iii Two hitch receivers *shall*^(E) be provided, one located on the front of the vehicle on the

chassis and one located at the rear of the vehicle;

- iv The winch cable *shall*^(E) be supplied with a mechanical spliced eye at the end, of equal or greater strength than the cable.
- v A wireless remote control unit powered in both directions *shall*^(E) be provided;
- vi A snatch block capable of withstanding a double line pull capacity of the winch *shall*^(E) be provided; and
- vii A roller fairlead *shall*^(E) be provided.

3.13 Other Equipment - The tracked vehicle *shall* be equipped with the following miscellaneous equipment:

- (a) **Licence Plate** - License plate holders, front and rear with license plate lights. The license plate light *shall* be connected to the current lighting system;
- (b) **Tow Points** - Two recovery tow points mounted at the front and at the rear, hooks and mountings of sufficient strength to permit the recovery of the fully loaded tracked vehicle and for use during transport on a truck; and
- (c) **Fire Extinguisher** - A certified fire extinguisher, easily accessible, properly mounted, suitable for low temperature use, with a minimum capacity of 2.3 kg (5 lbs), located in the cab in a convenient location.

3.14 Electrical System - The tracked vehicle/equipment *shall*^(E) be supplied with a 12 volt electrical system, and *shall*^(E) include:

- (a) Maintenance free batteries with a minimum of 1800 CCA;
- (b) An alternator with a minimum output of 120 amperes and capable of supplying sufficient current to carry all electrical load requirements;
- (c) Grommets protecting electrical wiring passing through metal components;
- (d) An audible back-up alarm to alert personnel that the tracked vehicle is in reverse;
- (e) All cold weather aids *shall* be connected together with a single, cover-protected, external electrical power plug. The plug *shall* be in accordance to CSA-C22.2-Wiring Devices;
- (f) A master disconnect switch for electrical system.

3.15 Lighting - The tracked vehicle/equipment *shall* have lights and reflectors. Lights *shall*^(E):

- (a) Be recessed or otherwise protected from damage with all components easily accessible for servicing;

- (b) Be LED, including all lamps and reflectors;
- (c) Include instrument panel lamps;
- (d) Include an interior cab lamp;
- (e) Include two (2) driver operated spot/flood lamps, one at each of the upper right and left corners of the cab; and
- (f) Audible reverse-lights to aid vision while reversing in low-light conditions.

3.16 Paint - The following paint procedure *shall*^(E) be followed for the vehicle including the cab chassis and variant systems, as applicable:

- (a) **Manufacturer's Painting Method** - Paint applied in accordance with the paint manufacturer's recommendations and the manufacturer's best production procedures, rendering a durable finish and a smooth appearance, free from runs, sags and orange peel; and
- (b) **Phosphate Treatment** - A phosphate treatment plus primer or an E-coat system on all ferrous metals, followed by a minimum of one coat of paint and a clear coat.

3.16.1 Paint Colour – The vehicle *shall* be painted red. The chassis components may be painted the manufacturer's standard colour.

3.17 Corrosion Protection System - The following *shall* be provided for the tracked vehicle:

3.17.1 Corrosion Resistant Materials - The tracked vehicle/equipment *shall*^(E):

- (a) **Rivets** - Be provided with stainless steel, zinc plated or hot dipped galvanized aluminium rivets, and plastic black oxide brass fasteners; and
- (b) **Corrosion Protection Design** - Be designed to prevent galvanic corrosion.

3.17.2 Rust Proofing- The vehicle shall have the manufacturer's best quality rust proofing applied to the vehicle.

3.18 Warning, Markings and Instruction Plates - International symbols and/or bilingual markings *shall* be provided for all identification, instructional, and warning labels. The following items *shall* be provided:

- (a) Be bilingual and within easy view of the operator and/or make use of graphic symbols, as much as possible, as defined in SAE J1362;
- (b) Engraved metal plates labelling all gauges and controls and *shall* be attached with rivets wherever possible.
- (c) Detailed, bilingual operating instruction plates for all operations, including, but not limited to:
 - i Remote on/off start controls;

- ii Engine starting and shut-down, in the cab within easy view for the driver;
- iii Hydrostatic drive system operation, in the cab within easy view for the driver;
- iv PTO operation, in the cab within easy view for the driver; and
- v Operation of the winch.

3.19.1 **Vehicle identification** - The following information placards *shall*^(E) be permanently and clearly marked, bilingual and installed in a conspicuous and protected location:

- (a) The cab and frame manufacturer's name, model number, serial number, and model year; and
- (b) The GVWR rating.

3.19.2 **Rear Markings** - A diagonal, red and white striped, warning pattern *shall* be formed on the rear face of the platform extension, the back of the left side of the line body, and the rear face of the derrick main frame.

4. INTEGRATED LOGISTICS SUPPORT

4.1 Manuals

- (a) All manuals required for the description, operation, maintenance and repair of the complete equipment, including sub-systems, *shall* be provided. As a minimum, the manuals *shall* consist of a bilingual Operator's manual, and bilingual Maintenance manual and an English Parts manual.
- (b) Manuals *shall* be delivered as follows:
 - i. Qty 1 Operator's manual (paper format) *shall* be provided with each vehicle or piece of equipment;
 - ii. Qty 1 complete set of manuals (Operator's, Maintenance and Parts) *shall* accompany the first vehicle or equipment shipped to each unit(s). The manuals *shall* be in paper and electronic format;
 - iii. Qty 1 complete set of manuals (Operator's, Maintenance and Parts) in electronic format *shall* be delivered to the Technical Authority no later than 30 days after acceptance of the sample manuals.
- (c) The CD/DVD-ROM *shall not* require installation, password and/or Internet connection to be accessed and *shall* be an unlocked PDF in a searchable format.

4.2 Warning Sign and Identification Label - The contractor *shall* deliver the equipment with bilingual warning signs and identification labels. Bilingual labels and signs *shall* also be represented in the parts manual.

4.3 Warranty Letter

- (a) The contractor **shall** provide a bilingual Warranty Letter with each vehicle delivered in the approved DND format and include the following details:
 - i. A list of all Canadian designated warranty service providers that will honor the warranty for the equipment and attachments (if applicable) procured under this contract. This list **shall** include the contact person and phone number at each warranty service provider.
 - ii. Additional warranty coverage of sub-systems and a copy of the bilingual warranty letter from each sub-system's Original Equipment Manufacturer (OEM).
 - iii. Warranty period as negotiated in the contract.
 - iv. Contractor contact information, name and phone number, for warranty support.

4.4 Special Tools List

- (a) The contractor **shall** provide an itemized list of specific special tools required for the servicing and repair of the vehicle or equipment procured under this contract. The list **shall** include the following information:
 - i. Item name;
 - ii. Manufacturer's part number (OEM);
 - iii. Quantity recommended per delivery location;
 - iv. Contractor's part number;
 - v. Unit price; and
 - vi. Unit of issue.
- (b) These tools **shall** also be listed in the Maintenance manual.

4.5 Operator Training

- (a) The Contractor **shall** deliver an operator training session dealing with the specific features and capabilities of the equipment. The training **shall** cover, as a minimum, the operator servicing procedures, how to operate the features of the vehicle safely and efficiently and deliver a minimum of one (1) hours of individual practical operating training per operator.
- (b) The training **shall** be a minimum of seven (7) hours total of operator training for a maximum of six (6) persons at a customer location where the equipment is delivered. Training **shall** be available in both official languages. Training dates **shall** be coordinated with the TA.
- (c) The contractor **shall** provide a copy of the training package to the TA for review and approval at least 30 days before training begins.
- (d) The contractor **shall** deliver the “**PROOF OF OPERATOR TRAINING**” certificate for signature by a Crown Representative from the location where the training is taking place and return the signed document to the TA. The Technical Authority will supply a template of the document in electronic format to the contractor.

4.6 Maintenance Personnel Training

- (a) The Contractor **shall** provide training session to the maintenance personnel. The training **shall** cover, as minimum, the safety precautions, trouble shooting, test and adjustment, special tools and test equipment, minimum operation and features of the vehicle and the safe and efficient maintenance of the vehicle.
- (b) The training provided to the maintenance personnel **shall** be a minimum of fourteen (14) hours of training for a maximum of six (6) persons at a customer location where the equipment is delivered. The training **shall** be available in both official languages. Training dates **shall** be coordinated with the TA.
- (c) The contractor **shall** provide a copy of the training package to the TA for review and approval at least 30 days before training begins.
- (d) The contractor **shall** deliver the “**PROOF OF MAINTENANCE TRAINING**” certificate for signature by a Crown Representative from the location where the training is taking place and return the signed document to the TA. The Technical Authority will supply a template of the document in electronic format to the contractor.

4.7 Line Setting Ticket – One copy of the chassis manufacturer’s Line Setting Ticket, or equivalent, describing the components provided on the cab and chassis **shall** be provided to the Technical Authority. One copy **shall** accompany the vehicle to the final delivery point.

4.8 Preventative Maintenance Repair Parts Kit – The two vehicles will take part in a two year user trial in the Arctic which will require normal preventative maintenance in the field. The requirement will be for list of all preventative maintenance items required for normal usage over a two year period. This list shall not include oils, hydraulic fluid or lubricants.

4.9 Recommended Spare Parts List - The recommended spare parts list **shall** include all parts that could normally be expected to fail in a two year period of use under normal conditions in an area such as Yellowknife NWT.



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 C

**Technical Information Questionnaire for
DUAL TRACKED ARCTIC MOBILITY VEHICLE**

BID SOLICITATION NUMBER

Completed By:

Company Name:

Manufacturer's Name:

Name of Representative: _____ **Designation:**

Signature: _____.

Date: _____.

Introduction

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

Where the specification paragraphs below indicate “Proof of Compliance”, the “Proof of Compliance” **shall** be provided for each performance requirement/specification.

Bidders should indicate the requested information and indicate the document name/title and page number where the Proof of Compliance can be found.

Definitions for **Equivalent** and **Proof of Compliance** are found in the DEFINITIONS section at the end of this document.

COMPLIANCE

Equipment proposed complies with all requirements specified in the Purchase Description.

YES ☐
NO ☐

SUBSTITUTES/ALTERNATIVES

Are substitutes/alternatives offered as **Equivalent** to any requirement specified in the Purchase Description?

YES ☐
NO ☐

If yes, please identify all substitutes/alternatives offered as **Equivalents** below and indicate where in the proposal related information can be found:

PURCHASE DESCRIPTION PARAGRAPHS

3.1 Design

- a. Make _____ - Model _____

Length of time this model has been in production or in performance, maintenance, and reliability trials.

____ Years

3.4 Tracked Vehicle Performance – Proof of Compliance shall be provided

Bidders should indicate the document and page number where the Proof of Compliance can be found:

- a. Speed - A minimum forward speed of 25 km/h.
Document: _____ Page: _____
- b. Climbing – A minimum climbing capability of 60%
Document: _____ Page: _____
- c. Side Slope - A minimum side slope operating capability of 30%
Document: _____ Page: _____
- e. Payload – A minimum payload of 750kg
Document: _____ Page: _____

3.4.1 Weights and Dimensions – Proof of Compliance

- (a) Gross Vehicle Weight Rating (GVWR)

Gross Vehicle Weight (GVW) in document

Proof of compliance can be found in:

Document: _____ Page: _____.

3.5.1.1 Roll-Over Protection – Proof of Compliance

Roll-Over Protection Certificate signed by a **certified engineer** can be found in:

Document: _____ Page: _____.

DEFINITIONS: The following definitions apply to the interpretation of this Technical Information Questionnaire:

- 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.
- b) “Proof of Compliance” is defined as an unaltered document, such as a brochure and/or technical literature and/or a third party test report provided by a nationally and/or internationally recognized testing facility and/or a report generated by a nationally and/or internationally recognized third party software. The document **shall** provide detailed information on each performance requirement and/or specification. Where a document submitted as Proof of Compliance does not cover all the performance requirements and/or specifications or when no such document is available or when modifications to the original equipment or customization are required to achieve the performance requirements and/or specifications, a Certificate of Attestation (as a separate document) signed by a senior engineer representing the Original Equipment Manufacturer (OEM) detailing the modifications and how they meet the performance requirements and/or specifications **shall** be provided. The certificate **shall** detail all performance requirements and/or specifications required to substantiate compliance. One certificate can be provided for one or all performance requirements and/or specifications.