



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Public Works and Government Services Canada
ATB Place North Tower
10025 Jasper Ave./10025 ave. Jaspe
5th floor/5e étage
Edmonton
Alberta
T5J 1S6
Bid Fax: (780) 497-3510

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 Vacuum Truck	
Solicitation No. - N° de l'invitation 5P414-180711/A	Date 2018-12-24
Client Reference No. - N° de référence du client 5P414-180711	
GETS Reference No. - N° de référence de SEAG PW-\$EDM-024-11523	
File No. - N° de dossier EDM-8-41157 (024)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-02-05	Time Zone Fuseau horaire Mountain Standard Time MST
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Tiet, Anthony	Buyer Id - Id de l'acheteur edm024
Telephone No. - N° de téléphone (587) 926-1376 ()	FAX No. - N° de FAX (780) 497-3510
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: PARKS CANADA P.O.BOX 750 #149 McDougal Road FORT SMITH Northwest Territories X0E0P0 Canada	

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

Public Works and Government Services Canada
ATB Place North Tower
10025 Jasper Ave./10025 ave Jasper
5th floor/5e étage
Edmonton
Alberta
T5J 1S6

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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PART 1 - GENERAL INFORMATION

1.1 Requirement

The requirement is detailed under Article 6.2 of the resulting contract clauses.

1.2 Debriefings

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

1.3 Trade Agreements

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

1.4 epost Connect service

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

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The [2003](#) (2018-05-22), Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.2 Submission of Bids

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

BRU: Western Region Bid Receiving Unit (Edmonton)
Address: 5th Floor, ATB Place Tower, 10025 Jasper Avenue
Edmonton, AB T5J 1S6

E-post Connect: ROReceptionSoumissions.WRBidReceiving@tpsgc-pwgsc.gc.ca
Bids/Offer will be not be accepted if emailed directly to this email address. This email is to initiate an ePost Connect conversation, as detailed in the Standard Instructions.

Bid Fax: 780-497-3510

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 10 calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

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

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. Bidders must provide their bid in a single transmission. The epost Connect service has the capacity to receive multiple documents, up to 1GB per individual attachment.

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

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

- If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (1 hard copy)
Section II: Financial Bid (1 hard copy)
Section III: Certifications (1 hard copy)

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

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

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

Canada requests that bidders follow the format instructions described below in the preparation of hard copy 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](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, bidders should:

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

Section I: Technical Bid

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

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment.

3.1.1 Electronic Payment of Invoices – Bid

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

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

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

3.1.2 Exchange Rate Fluctuation

SACC Manual Clauses [C3011T](#) (2013-11-06), Exchange Rate Fluctuation

Section III: Certifications

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

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

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

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

Failure to meet any of the following mandatory criteria at solicitation closing will render your submission non-compliant and given no further consideration:

1. Compliance with the terms and conditions contained in this document.
2. Ability to perform the full scope of the work, as described in Annex "A".

4.1.2 Financial Evaluation

The total bid price will be calculated in the following method:

The unit quantity will be multiplied by the firm unit price to arrive at a total price per item. The total price per item will be aggregated to determine the Total Assessed Bid Price.

4.2 Basis of Selection

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

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. 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.

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

5.1 Certifications Required with the Bid

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

5.1.1 Integrity Provisions - Declaration of Convicted Offences

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

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

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

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

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

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

6.1.1 There is no security requirement applicable to the Contract.

6.2 Requirement

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

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

[2010A](#) (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before _____ (*insert the date*).

6.4.2 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at Annex "A" of the Contract.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: _____

Title: _____

Public Works and Government Services Canada

Acquisitions Branch

Directorate: _____

Address: _____

Telephone: _____

Facsimile: _____

E-mail address: _____

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

Solicitation No. - N° de l'invitation
5P414-180711/A
Client Ref. No. - N° de réf. du client
5P414-180711

Amd. No. - N° de la modif.
File No. - N° du dossier
EDM-8-41157

Buyer ID - Id de l'acheteur
EDM024
CCC No./N° CCC - FMS No./N° VME

work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Project Authority

The Project Authority for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: ____ ____ _____
Facsimile: ____ ____ _____
E-mail address: _____

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

6.5.3 Contractor's Representative

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: ____ ____ _____
Facsimile: ____ ____ _____
E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment

SACC Manual Clause [H1000C](#) (2008-05-12), Single Payment

6.6.2 Electronic Payment of Invoices – Contract

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

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.7 Invoicing Instructions

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.

Invoices must be distributed as follows:

- a) The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
- b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.8 Certifications and Additional Information

6.8.1 Compliance

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

6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____ (*insert the name of the province or territory as specified by the Bidder in its bid, if applicable*).

6.10 Priority of Documents

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

- (a) the Articles of Agreement;
- (b) the general conditions [2010A](#) (2018-06-21), General Conditions - Goods (Medium Complexity);
- (c) Annex "A", Requirement;
- (d) Annex "B", Compliance Matrix – Minimum Mandatory Performance Specifications;
- (e) Annex "C", Basis of Payment;
- (f) the Contractor's bid dated _____ (*insert date of bid*) (If the bid was clarified or amended, insert at the time of contract award: " , as clarified on _____ " **or** " , as amended on _____ " and insert date(s) of clarification(s) or amendment(s)).

6.11 SACC Manual Clauses

[A9049C](#) (2011-05-16), Vehicle Safety
[B7500C](#) (2006-06-16), Excess Goods
[G1005C](#) (2016-01-28), Insurance - No Specific Requirement

ANNEX "A"

REQUIREMENT

1. General

Parks Canada has a requirement for the supply and delivery of one new vacuum truck. Wood Buffalo National Park operates campgrounds and several day use areas, there are also several privately owned cottages with holding tanks for sewage and washroom facilities. Parks Canada provides vacuum truck services for these areas.

2. Requirement

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. The vehicle and accessories must operate in accordance with all original equipment manufacturers' (OEM) rated capacities and performance specifications and must meet the provisions of the Canada Motor Vehicle Safety Act.

2.2 Deliverables

The Contractor must deliver the vacuum truck as per Annex "B" with the following:

1. 4 x Complete sets of keys;
2. 1 x Removable winter front;
3. 1 x Removable mounted summer bug screen grill;
4. 1 x Rear license plate holder;
5. 1 x Roadside emergency triangle kit;
6. All applicable manuals including but not limited to parts, maintenance, troubleshooting and repair in either or both paper or digital format;
7. Material safety data sheets in English for the applicable products installed on the vehicle;
8. Fuel tank(s) must be no less than half full on delivery; and
9. Lubricants and fuel installed in the vehicle at time of delivery must be suitable for the destination and the season of delivery.

2.2 Delivery Date

All deliverables identified should be delivered on or before 2019-07-31. If you cannot meet this, the best delivery that could be offered is _____. (please insert if applicable)

2.3 Delivery Location

The Contractor must deliver the requirement to:
Parks Canada Agency
Wood Buffalo National Park
6 Raven Street
Fort Smith NT
X0E 0P0

ANNEX "B"

COMPLIANCE MATRIX – MINIMUM MANDATORY PERFORMANCE SPECIFICATIONS

A complete list of the minimum mandatory performance specifications are detailed below in the "Compliance Matrix". Bidders are to clearly demonstrate compliance with each mandatory specification.

1. Bidders **must** show compliance by addressing each performance specification in the Compliance Matrix, whether the product offered "meets" or "doesn't meet".
2. It is requested that supporting technical documentation, including but not limited to, specification sheets, technical brochures, photographs or illustrations be provided with the bid at solicitation close and be cross-referenced on the Compliance Matrix for each performance specification to outline where in the supporting technical documentation it demonstrates compliance. It is the Bidders responsibility to ensure that the submitted supporting technical documentation provides detail to prove that the proposed product(s) meet the requirements of the Performance Specification. If published supporting technical document is not available, the Bidder should prepare a written narrative complete with a detailed explanation of how its bid demonstrates technical compliance.
3. If the supporting documentation referenced above has not been provided at bid closing, the Contracting Authority will notify the Bidder that they must provide supporting documentation within two (2) business days following notification. Failure to comply with the request of the Contracting Authority within that time period, will deem the bid non-responsive and the bid will be given no further consideration.
4. Bidders must address any concerns with the performance specifications in written detail to the Contracting Authority before bid closing as outlined in the Request for Proposal (RFP) document.
5. Failure to meet each performance specification will result in the bid being deemed non-responsive, and be given no further consideration.

COMPLIANCE MATRIX – MINIMUM MANDATORY PERFORMANCE SPECIFICATIONS:

Requirement	Manufacturer(s) Offered:	Model Number(s) Offered:
Vacuum Truck		

Item #	Performance Specification	Status (M) Mandatory (D) Desirable*	Performance Specification Met? Indicate either Yes/No	Performance Specification Offered: Bidder <u>should</u> indicate how they meet the performance specification by recording this information in this column	Cross Reference: In this column, Bidders should cross-reference where this performance specification is indicated in their supporting documents.
Vehicle Performance Specification					
A	Cab Requirements				
1	The vehicle must be a standard, single 2 door cab.	M			
2	The cab must be provided with door locks	M			
3	The cab must be provided with air horn(s), protected from snow clogging.	M			
4	The cab must be provided with provided with intermittent windshield wipers.	M			
5	The cab must be provided with powered windows.	M			
6	The cab must be provided with 2 rotating and pivoting interior sun Visors.	M			
7	The cab must be provided with interior rubber floor mats.	M			
8	The vehicle must be provided with an air conditioning system.	M			
9	The vehicle must be provided with an AM/FM radio with CD player and at least 1 USB input.	M			

B Mirrors					
1	A rear view mirror system must be provided on the exterior of each side of the vehicle cab providing the operator with clear visibility to the sides and rear of the vehicle.	M			
2	Each mirror system must be provided with a tall and narrow "West-Coast" style.	M			
3	Each mirror system must be provided with a convex mirror.	M			
4	Mirror must have heating activated by an in-cab control accessible to the operator.	M			
C Instruments					
1	All dash board gauges and readouts must be in metric units.	M			
D Seats					
1	The vehicle must be provided with push button controlled, air suspension driver seat.	M			
2	The seat must adjustable lumbar support.	M			
E Keys					
1	A common key must be used for all cab and ignition functions (including ignition and doors).	M			
F Lighting					
1	The vehicle must be provided with two 360-degree visibility amber beacon lights: one installed on the top of the cab and one the rear of the tank.	M			

G	Electrical System				
1	The electrical system must be provided with a backup alarm that is activated when the vehicle transmission is in reverse.	M			
2	All exterior electrical wiring must be installed in a manner that firmly fastens the wiring to the chassis, protect against abrasion, crushing and weather.	M			
3	All electrical connections must be made within a weatherproof plug or junction box.	M			
4	The electrical system must be 12 Volt and provided with an alternator with an output of at least 160 amperes.	M			
5	The electrical system must be provided with maintenance-free batteries.	M			
6	The electrical system must be provided with a master disconnect switch to isolate the batteries from the electrical system.	M			
7	Shutting off the master disconnect switch must not remove power from a device that requires power to retain its memory (example: radio / clock pre-sets, etc.).	M			
8	The wiring must be protected by insulating grommets where passing through metal.	M			

9	The electrical system must be provided with two spare 15 amp switches on the dashboard for future electrical user add-ons.	M			
H	Suspension				
1	The vehicle must be provided with a front spring suspension and a rear, highway type, air suspension.	M			
2	The suspension system must be provided with shock absorbers at all wheel stations	M			
I	Engine				
1	The vehicle must be provided with a diesel engine that must produce minimum horsepower (hp) rating of 350 hp.	M			
2	The engine must be provided with engine coolant suitable for temperatures down to -40 degrees.	M			
3	The engine must be provided with an exhaust system that has a vertical stack that clears the cab roofline with an exhaust elbow above the roofline.	M			
4	The engine cooling system must be provided with a thermostatic fan.	M			
5	The engine must be provided with a driver selectable multi stage internal engine compression brake.	M			
6	The vehicle must be provided with a cruise control system with a fast idle feature.	M			

7	The engine must be provided with 110-Volt engine cold start heaters with a capacity as recommended by the engine manufacturer or conforming to SAE J1310.	M			
8	The fuel tanks for vehicles must have a total capacity of at least 370 Litres.	M			
J	Transmission				
1	The vehicle must be provided with a fully automatic transmission.	M			
2	The transmission must meet the application, including combined vehicle weight, engine horse power and torque performance standards and operational requirements indicated in this document. Must have Power Take Off (PTO) provision.	M			
K	Axles				
1	The front steering axle must be provided with a minimum 16000lb but not exceeding 18000 lb Gross Axle weight rating.	M			
2	The vehicle must be provided with tandem rear drive axles with a Gross Axle rating weight rating of not less than 46000 lbs and not more than 50000 lbs.	M			
3	Rear axles must be provided with driver controlled differential lock.	M			
4	Rear axles must be provided driver controlled inter axle differential lock.	M			

L	Brake System				
1	The vehicle must be provided with full air actuated, maxi pot parking brakes.	M			
2	The brake system must be provided with an anti-lock brake system (ABS) suitable for the axle rating supplied. It is acceptable to provide an ABS with automatic traction control.	M			
6	The brake system must be provided with S-cam type air brakes with automatic slack adjusters.	M			
4	The brake system must be provided with a wet air reservoir with a quick connect fitting for the connection for an air-hose.	M			
5	The brake system must be provided with an automatic air dryer with a heated dump valve and spin on desiccant filter.	M			
6	The brake system must be provided with emergency brake chambers on all rear axles.	M			
7	The air compressor and air tank size must be sized for the requirement of the vehicle braking system and added equipment.	M			
M	Steering				
1	The vehicle must be provided with a power assisted steering system and the steering system must be provided with a telescopic/tilt steering column.	M			

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N Wheels and Tires					
1	Rear axles must be provided with highway mud and snow type tread rated tires.	M			
2	Rear axles must be provided with dual tires at each wheel station.	M			
3	The wheel assemblies must be balanced and assembled in accordance to the tire and rim manufacturer's specifications.	M			
4	The vehicle must be provided with a spare tire and wheel assembly for the front axle and provide 12 ton with handle and wheel wrench.	M			
O Colour					
1	The vehicle cab and hood must be painted in white colour. Frame, axles to be painted black.	M			
P Mounted Equipment					
1	The vehicle must be provided with tow hooks mounted at the front and at the rear. Tow hooks and mountings must have sufficient strength to permit the recovery of this vehicle	M			
2	The rear license plate must be illuminated.	M			
3	The vehicle must be provided with front and rear mud flaps.	M			

Vacuum System and Tank Performance Specification

Vacuum System and Tank Performance Specification					
Q	Hydraulic System				
1	System must be designed and sized correctly to operate continually the requirement of the vacuum truck and systems installed, systems includes vacuum pump, tank hoist and vibrator.				
2	System must have minimum 330 liter oil tank c/w vent, site glass, filters, temperature gauge, and inspection and clean out hatch				
3	System must have 12 volt hydraulic oil cooler ³				
4	System must have must include a 3 stage hydraulic hoist cylinder.				
5	The system must include main system relief and component relief if component maximum pressures are less that main system pressures.				
R	Tank				
1	Septic/debris capacity must be minimum 3000 gallons.				
2	The tank must be positioned on the chassis to distribute weight correctly between the front and rear axles.				
3	The tank shells, rear door and front head must have a minimum thickness of 5/16".				
4	Baffles must be installed in the tank to prevent sloshing.				

5	The rear door must be fastened with not less than 6-pinwheel threaded door lock system. The pinwheel door lock system must have grease points to prevent seizing.				
6	Must be equipped full opening hydraulic lift rear door with safety support. Designed in a manner that will prevent bending of the rear door.				
S	Hose rack and Decking				
1	Must have full tank length hose decking incorporated as part of the rear wheel fenders with square tube railings to retain hoses and fittings and securing hose rack.				
2	Must be designed and installed in a manner that the bumper extends beyond the rear of the tank and protects the tailgate and rear valving from being damaged in the event of a backing incident or minor collision.				
T	Vacuum Pump				
1	Vacuum pump must be able to draw atmospheric maximum pressure for a given altitude and temperature but not less than 28' HG at sea level at standard temperature of 15 degrees Celsius. - 617 CFM @ 18" Hg minimum - 645 CFM free air minimum				

2	Vacuum pump must operate at not more than 1000 RPM operating speed.				
3	Vacuum pump must have high heat resistant vanes.				
4	Vacuum pump must have 4" inlet and outlet ports or greater.				
5	Vacuum pump must be hydraulically operated.				
6	Vacuum pump must have oil tank and integral oil pump providing forced pump lubrication.				
7	Vacuum pump must be equipped vacuum exhaust Muffler and oil separator.				
U	Valves Indicators, filters and relief systems				
1	Must have 1 – 4" Stand pipe line with auto open close load valve.				
2	Must have 1 – 6" discharge that comes with auto open close discharge valve.				
3	Must have an air Isolation valve between tank and pump.				
4	Must have a Teflon sealed debris liquid level indicator.				
5	Must have a tank pressure and vacuum relief valves.				
6	Must have a primary float to prevent debris from entering the pump.				
7	Must have high efficiency cyclone style separator complete with drain valve.				
8	Must have a cleanable debris filter after the cyclone separator but prior to the air reaching the vacuum pump.				

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9	Must have 45-degree elbow on loading valves.				
V	Gauges and Controls				
1	Must come equipped with rear of vehicle mounted gauge assembly with tank vacuum/pressure gauge, hydraulic pressure gauges.				
2	Must come equipped with a single emergency shutdown. This emergency switch will shut off vacuum pump and rear vacuum valves containing the liquid is to be located on rear left decking.				
3	All hydraulic controls and actuators must be mounted together on the right hand side of the vehicle.				
W	Tank and Mounted Equipment Paint				
1	The entire tank and body of vacuum system must be sandblasted, primed and painted with 2 part epoxy paint or equivalent industrial quality paint, matching the truck manufactures body color white				

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ANNEX "C"

BASIS OF PAYMENT

- Firm Unit pricing must be in Canadian Dollars.
- Delivery: FOB Destination, Parks Canada Agency, Wood Buffalo National Park, # 6 Raven Street, Fort Smith NT X0E 0P0
- Prices are required for each line item and as per format shown below.
- Firm Unit Prices do not include GST/HST. GST/HST will be added as a separate line item to any invoice issued as a result of a Contract (if applicable).

Item	Description	Unit (a)	Firm Price (b)	Extended Price (a x b)
1	Vacuum Truck as per Annex "A" and Annex "B".	1 lot	\$_____ / lot	\$_____
TOTAL (CAD):				\$_____

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ANNEX "D"

ELECTRONIC PAYMENT INSTRUMENTS

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

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)