



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

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

Title - Sujet Heavy duty semi-trailer 32,000 L ca	
Solicitation No. - N° de l'invitation W8476-195932/A	Date 2018-06-11
Client Reference No. - N° de référence du client W8476-195932	
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-929-74962	
File No. - N° de dossier hp929.W8476-195932	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-07-24	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
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: Way, Stephanie	Buyer Id - Id de l'acheteur hp929
Telephone No. - N° de téléphone (873) 469-3300 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée See Herein	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie) Signature Date	

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PART 1 - GENERAL INFORMATION

1.1 Requirement

Canada is seeking proposals to procure:

1.1.1 Two (2), Heavy Duty Semi-Trailer Tank, 32,000 L Capacity and ancillary items as described in Annex "A" - Pricing and in accordance with Annex "B"- Purchase Description Heavy Duty Semi-Trailer Tank, 32,000 L Capacity.

1.1.2 Irrevocable options identified in Annex "A"- Pricing.

1.1.2.1 The options may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

1.1.2.2 The options may be exercised in whole or in part and on more than one occasion at the sole discretion of Canada, up to the maximum quantity identified in Annex "A"- Pricing.

1.1.2.3 The options may be exercised within twelve (12) months after contract award.

1.2. Debriefings

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.

1.3. Trade Agreements

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-European Union Comprehensive Economic and Trade Agreement (CETA), and the Canadian Free Trade Agreement (CFTA).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The 2003 (2017-04-27) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

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

Delete: sixty (60) days

Insert: ninety (90) days

The 2003 standard instructions is amended as follows:

- Section 5, entitled Submission of bids, is amended as follows:
 - subsection 1 is deleted entirely and replaced with the following: "Canada requires that each bid, at solicitation closing date and time or upon request from the Contracting Authority, for example in the case of epost Connect service, be signed by the Bidder or by an authorized representative of the Bidder. If a bid is submitted by a joint venture, it must be in accordance with the section entitled Joint venture."
 - subsection 2.d is deleted entirely and replaced with the following: "send its bid only to the specified Bid Receiving Unit of Public Works and Government Services Canada (PWGSC) identified in the bid solicitation, or to the address specified in the bid solicitation, as applicable;"
 - subsection 2.e is deleted entirely and replaced with the following: "ensure that the Bidder's name, return address and procurement business number, bid solicitation number, and solicitation closing date and time are clearly visible on the bid; and,"
- Section 6, entitled Late bids, is deleted entirely and replaced with the following: "PWGSC will return bids delivered after the stipulated solicitation closing date and time, unless they qualify as a delayed bid as described in the section entitled Delayed bids. For bids submitted using means other than the Canada Post Corporation's epost Connect service, the bid will be returned. For bids submitted

using Canada Post Corporation's epost Connect service, conversations initiated by the Bid Receiving Unit via the epost Connect service that contain access, records and information pertaining to a late bid will be deleted."

- Section 07, entitled Delayed bids, is amended as follows:
 - Subsection 1 is amended to add the following piece of evidence: "d. a CPC epost Connect service date and time record indicated in the epost Connect conversation activity."
- Section 8, entitled Transmission by facsimile, is deleted and replaced by the following:

Transmission by facsimile or by epost Connect

1. Facsimile

- a. Unless specified otherwise in the bid solicitation, bids may be submitted by facsimile. The only acceptable facsimile number for responses to bid solicitations issued by PWGSC headquarters is 819-997-9776 or, if applicable, the facsimile number identified in the bid solicitation. The facsimile number for responses to bid solicitations issued by PWGSC regional offices is identified in the bid solicitation.
- b. For bids transmitted by facsimile, Canada will not be responsible for any failure attributable to the transmission or receipt of the faxed bid including, but not limited to, the following:
 - i. receipt of garbled or incomplete bid;
 - ii. availability or condition of the receiving facsimile equipment;
 - iii. incompatibility between the sending and receiving equipment;
 - iv. delay in transmission or receipt of the bid;
 - v. failure of the Bidder to properly identify the bid;
 - vi. illegibility of the bid; or
 - vii. security of bid data.
- c. A bid transmitted by facsimile constitutes the formal bid of the Bidder and must be submitted in accordance with the section entitled Submission of bids.

2. ePost Connect

- a. Unless specified otherwise in the bid solicitation, bids may be submitted by using the [epost Connect service](https://www.canadapost.ca/web/en/products/details.page?article=epost_connect_send_a) (https://www.canadapost.ca/web/en/products/details.page?article=epost_connect_send_a) provided by Canada Post Corporation.
- b. To submit a bid using epost Connect service, the Bidder must either:

-
- i. send directly its bid only to the specified PWGSC Bid Receiving Unit, using its own licensing agreement for epost Connect provided by Canada Post Corporation; or
 - ii. send as early as possible, and in any case, at least six business days prior to the solicitation closing date and time, an email that includes the bid solicitation number to the specified PWGSC Bid Receiving Unit requesting to open an epost Connect conversation. Requests to open an epost Connect conversation received after that time may not be answered.
 - c. If the Bidder is sending an email to the Bid Receiving Unit, the Bid Receiving Unit will then initiate an epost Connect conversation which will allow the Bidder to transmit its bid afterward at any time prior to the solicitation closing date and time. The epost Connect conversation will create an email notification from Canada Post Corporation prompting the Bidder to access the message within the conversation, and the Bidder can reply to the email notification by transmitting its bid.
 - d. If the Bidder is using its own licensing agreement to send its bid, the Bidder must keep the epost Connect conversation open until at least 30 business days after solicitation closing date and time.
 - e. The email address of PWGSC Bid Receiving Unit in Headquarters is: TPSGC.DGAreceptiondessoumissions-ABBidReceiving.PWGSC@tpsgc-pwgsc.gc.ca. The solicitation number must be identified in the epost Connect message field of all electronic transfers.
 - f. It should be noted that the use of epost Connect service requires a Canadian mailing address. Should a bidder not have a Canadian address, they may use the Bid Receiving Unit address specified on page 1 of the solicitation in order to register for the epost Connect service.
 - g. For bids transmitted by epost Connect service, Canada will not be responsible for any failure attributable to the transmission or receipt of the bid including, but not limited to, the following:
 - i. receipt of a garbled or incomplete bid;
 - ii. availability or condition of the epost Connect service;
 - iii. incompatibility between the sending and receiving equipment;
 - iv. delay in transmission or receipt of the bid;
 - v. failure of the Bidder to properly identify the bid;
 - vi. illegibility of the bid;
 - vii. security of bid data; or
 - viii. inability to create an electronic conversation through the epost Connect service.
 - h. A bid transmitted by epost Connect service constitutes the formal bid of the Bidder and must be submitted in accordance with the section entitled Submission of bids.

2.2 Submission of Bids

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

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted 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 question 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 *Ontario*.

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

2.5 Improvement of Requirement during Solicitation Period

Should bidders consider that the specifications, Statement of Work or Purchase Description contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least seven (7) days before

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Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
hp929

Client Ref. No. - N° de réf. du client
W8476-195932

File No. - N° du dossier
HP929 W8476-195932

CCC No./N° CCC - FMS No/ N° VME

the bid closing date. Canada will have the right to accept or reject any or all suggestions.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 8 of the 2003 standard instructions and as amended in Part 2 - Bidder Instructions, Article 2.1 Standard Instructions, Clauses and Conditions. Bidders are required to 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
Section IV: Additional Information

If the Bidder is simultaneously providing a hard copy of the bid using another acceptable delivery method, and if there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the soft copy will have priority over the wording of the hard copy.

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 (2 hard copies)
Section II: Financial Bid (1 hard copy)
Section III: Certifications (2 hard copies)
Section IV: Additional Information (2 hard copies)

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>). 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 complete and submit with their bid the following;

Annex « C » - Technical Evaluation Matrix – Heavy Duty Semi-Trailer Tank, 32,000 L Capacity

3.1.1 Substitute and Alternatives

Bidders may propose substitutes and alternatives where **equivalent** is indicated in the technical requirement description (Purchase Description/Statement of Requirement/Statement of Work). Offerors / suppliers are encouraged to offer or suggest green solutions whenever possible.

1. Substitutes and alternatives that are equivalent in form, fit, function 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 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 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.

Section II: Financial Bid

Bidders must submit their bid in accordance with the Basis of Payment specified in Part 6 of Annex A - Pricing.


3.1.2 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.

3.1.3 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  (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/450-eng.html>), 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  (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/450-eng.html>), for each line item where they want to invoke the exchange rate fluctuation provision. Where bids are evaluated in Canadian dollars, the dollar values provided in column (3) should also be in Canadian dollars, so that the adjustment amount is in the same currency as the payment.
5. Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

Section III: Certifications

Bidders must submit the certifications required under Part 5 - Certifications.

Section IV Additional Information

Canada requests that bidders submit the following information:

3.1.4 Delivery

Firm Quantity

While delivery of the vehicles are requested by 31 January 2019, the best delivery that can be offered is as follows:

Item 001 – Two (2), Heavy Duty Semi-Trailer Tank, 32,000 L Capacity and related items will be delivered within _____ calendar days from the effective date of the contract.

Optional Quantity

If an option is exercised, the best delivery that can be offered is as follows:

Item 002 – Up to two (2), Heavy Duty Semi-Trailer Tank, 32,000 L Capacity and ancillary items will be delivered within _____ calendar days after an option is exercised.

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 Evaluation Criteria

- a) Bidders must demonstrate their compliance with all technical evaluation criteria detailed in Annex C - Technical Evaluation Matrix, by providing substantial information describing completely and in detail how each requirement is met or addressed. Simply repeating the statement contained in the bid solicitation is not sufficient.
- b) Bidders proposing substitutes and/or alternatives must submit, with their bid all the information requested as detailed in Part 3, section 2 - Substitutes and Alternatives to be considered for evaluation.

4.1.2 Mandatory Financial Evaluation Criteria

4.1.2.1 Bidders must provide, with their bid, the financial information requested in the bid solicitation and at Annex A - Pricing for items 001, 002, 003, 004, 005 and 006.

4.1.2.2 The prices of the bid Bids must be in Canadian dollars, DDP Delivered Duty Paid at destination, Incoterms 2000, for the firm quantity for item 001 and optional quantity item 002, Canadian dollars for Operator and Maintenance instructions/training (option) item 003 through item 006. Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

4.1.2.3 Aggregate Evaluated Price

Bids will be evaluated on an aggregate price basis for the firm quantity, the optional quantity and the Operator and Maintenance instructions/training (option).

4.1.2.4 To determine the total price for the firm quantity, calculation will be as follows:

- a) The firm unit price for the firm quantity will be multiplied by their identified estimated quantities.

4.1.2.5 Since the optional quantities are to be exercised by provinces, the firm unit price for the optional quantity will be averaged.

To determine the average price for the optional quantities, calculation will be as follows:

- a) The firm unit price for the optional quantity for each province identified will be added; and
- b) The sum will be divided by five (5).

4.1.2.6 The firm unit price for the English and French Operator and Maintenance instructions/training (option) will be averaged.

To determine the average price for the Operator and Maintenance instructions/training (option), calculation will be as follows:

- a) The firm unit price for the English and French Operator and Maintenance/Instructions/training (option) will be added; and
- b) The sum will be divided by four (4).

4.1.2.7 To determine the aggregate evaluated price for the firm quantity, optional quantity and the Operator and Maintenance instructions/training (option), calculation will be as follows:

- a) The average price for the optional quantity obtained in 4.1.2.5 (b) above will be multiplied by the total estimated optional quantity identified;
- b) The average price for the Operator and Maintenance instructions/training (option) obtained in 4.1.2.6 (b) above will be multiplied by the total estimated optional quantity identified; and
- c) The result will be added to the total price for the firm quantity obtained in 4.1.2.4 (a) above.

4.2. Basis of Selection

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

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

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

5.2.3 Additional Certifications Precedent to Contract Award

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

5.2.3.1 Product Conformance

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

This certification does not relieve the bid from meeting all mandatory technical evaluation criteria detailed in Part 4.

Bidder's authorized representative signature

Date

5.2.3.1 Clause D5540C "ISO 9001:2008 - Quality Management Systems (QAC Q)" – Certification – For items 001 and 002

The Bidder certifies that it meets, and will continue to meet throughout the duration of the contract, all requirements of clause D5540C "ISO 9001:2008 - Quality Management Systems (QAC Q)" found in Part 6.

Bidders' Authorized Representative Signature

Date

5.2.3.3 General Environmental Criteria Certification

The Bidder must select and complete one of the following two certification statements.

- b) The Bidder certifies that the Bidder is registered or meets ISO 14001.

Bidders' Authorized Representative Signature

Date

Or

- c) The Bidder certifies that the Bidder meets and will continue to meet throughout the duration of the contract, a minimum of four (4) out of six (6) criteria identified in the table below.

The Bidder must indicate which four (4) criteria, as a minimum, are met.

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

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Buyer ID - Id de l'acheteur
hp929

Client Ref. No. - N° de réf. du client
W8476-195932

File No. - N° du dossier
HP929 W8476-195932

CCC No./N° CCC - FMS No/ N° VME

All documents are printed double sided and in black and white for day to day business activity unless otherwise specified by your client	
Paper used for day to day business activity has a minimum of 30% recycled content and has a sustainable forestry management certification	
Utilizes environmentally preferable inks and purchase remanufactured ink cartridges or ink cartridges that can be returned to the manufacturer for reuse and recycling for day to day business activity.	
Recycling bins for paper, newsprint, plastic and aluminum containers available and emptied regularly in accordance with local recycling program.	
A minimum of 50% of office equipment has an energy efficient certification.	

Bidders' Authorized Representative Signature

Date

PART 6 - RESULTING CONTRACT CLAUSES

6.1. Requirement

6.1.1 The Contractor must deliver Two (2), Heavy Duty Semi-Trailer Tank, 32,000 L Capacity and ancillary items as described in Annex "A" - Pricing and in accordance with Annex "B" - Purchase Description Heavy Duty Semi-Trailer Tank, 32,000 L Capacity.

6.1.2 The Contractor grants to Canada irrevocable options identified in Annex "A"- Pricing.

6.1.2.1 The options may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

6.1.2.2 The options may be exercised in whole or in part and on more than one occasion at the sole discretion of Canada, up to the maximum quantity identified in Annex "A"- Pricing.

6.1.2.3 The options may be exercised within Twelve (12) months after contract award.

6.2. 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.

6.2.1 General Conditions

2010A (2016-04-04) General Conditions - Goods (Medium Complexity), apply to and form part of the contract.

6.3. Term of Contract

6.3.1 Delivery of the Vehicles

6.3.1.1 Firm Quantity

Delivery date of the vehicles must be made as follows:

Item 001 –Two (2) and Heavy Duty Semi-Trailer Tank, 32,000 L Capacity and ancillary items must be delivered on or before _____ *(Date to be inserted by PWGSC the Contracting Authority at time of contract award.)*

6.3.1.2 Option Quantity

Item 002 –Up to Two (2) and Heavy Duty Semi-Trailer Tank, 32,000 L Capacity and ancillary items to be delivered within _____ calendar days after an option is exercised. *(Days to be inserted by PWGSC the Contracting Authority at time of contract award.)*

6.4. Authorities

6.4.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Stephanie Way
Title: Supply Specialist
Organization: Public Works and Government Services Canada - Acquisitions Branch
LEFT Directorate, HP Division,
7A2, Place du Portage, Phase 3, 11 Laurier Street,
Gatineau Quebec, K1A 0S5
Telephone: 873 469-3300
Facsimile: 819 953-2953
E-mail: Stephanie.way@pwgsc-tpsgc.gc.ca

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

6.4.2 Procurement Authority

The Procurement Authority for the Contract is:

Name: _____ *(To be inserted by PWGSC at time of contract award.)*
Title: _____
Organization: _____

Telephone: ____-____-____

E-mail: _____

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.

6.4.3 Technical Authority:

The Technical Authority for the Contract is:

Name: _____ (To be inserted by PWGSC at time of contract award.)

Title: _____

Organization: _____

Telephone: ____-____-____

E-mail: _____

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

6.4.4 Quality Assurance Authority

The National Defence Quality Assurance Authority is:

Name: _____ (To be inserted by PWGSC at time of contract award.)

Title: _____

Organization: _____

Telephone: ____-____-____

E-mail: _____

DQA is the Quality Assurance Authority of the Department of National Defence for whom the work is being carried out under this Contract. DQA is responsible to monitor the Supplier's Quality Management System to provide confidence that the Supplier has the ability to fulfill the quality requirements in the contract.

6.4.5 Contractor's Representative

Name and telephone number of the person responsible for:

General enquiries

Name: _____ *(To be completed by the bidder.)*

Title: _____

Telephone: ____ - ____ - ____

E-mail: _____

Delivery follow-up

Name: _____ *(To be completed by the bidder.)*

Title: _____

Telephone: ____ - ____ - ____

E-mail: _____

6.4.6 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:

Item 001

Name: _____

Address: _____

Telephone Number: _____

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

6.5. Payment

6.5.1 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:

6.5.1.1 Basis of Payment (BOP) Type 1

Firm unit 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.

The price paid will be adjusted in accordance with the exchange rate fluctuation provision (as applicable).

6.5.1.2 Basis of Payment (BOP) Type 2

Firm unit prices in Canadian dollars, including Canadian Custom Duties and Excise Taxes included where applicable, and applicable Taxes are extra.

The price paid will be adjusted in accordance with the exchange rate fluctuation provision (as applicable).

6.5.1.3 Basis of Payment (BOP) Type 3

The Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the National Joint Council Travel Directive (<http://www.njc-cnm.gc.ca/directive/d10/v238/en>), and with the other provisions of the directive referring to "travellers", rather than those referring to "employees".

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

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

The price paid will be adjusted in accordance with the exchange rate fluctuation provision (as applicable).

6.5.2 Electronic Payment of Invoices – Contract

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

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

6.5.3 SACC Manual Clauses

C6000C	Limitation of price	2017-08-17
H1001C	Multiple Payments	2008-05-12
C3015C	Exchange rate fluctuation adjustment	2017-08-17

6.6 Invoicing Instructions

6.6.1 The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions including the Client Ref # BT863. Invoices cannot be submitted until all work identified in the invoice is completed. Offerors /suppliers are requested to provide invoices in electronic format unless otherwise specified by the Contracting Authority or Project Authority, thereby reducing printed material.

Each invoice must be supported by:

- (a) a copy of the release document and any other documents as specified in the Contract;

6.6.2 Invoices must be distributed as follows:

- (a) The original and one (1) copy must be forwarded to the following address for certification and payment:

National Defence Headquarters
Mgen George R. Pearkes Bldg
101 Colonel By Drive
Ottawa, Canada
K1A 0K2

Attention: DLP _____

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

6.6.3 Holdback

A ten percent (10%) holdback will apply on the total price of each vehicle item 001 and item 002. on any due payment of the said vehicle/equipment. Release of the holdback (10%) is conditional upon receipt and certified acceptance by inspection authority of the said vehicle and all ancillary items as identified in Annex "A" - Pricing.

Applicable Taxes must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no Taxes payable as it was claimed and payable under the previous invoice.

- (a) The original and one (1) copy of the invoice for the holdback must be forwarded to the Procurement Authority identified under the section entitled "Authorities" of the Contract.
- (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.7. Certifications

6.7.1 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.

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

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "[FCP Limited Eligibility to Bid](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#s4)" list (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#s4>) The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

6.8 Applicable Laws

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

6.9 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) 2010A (2016-04-04) General Conditions - Goods (Medium Complexity);
- (c) Annex "A" - Pricing;
- (d) Annex "B" - Purchase Description – Heavy Duty Semi-Trailer Tank, 32,000 L Capacity
- (e) Annex "C" - Technical Evaluation Matrix - Heavy Duty Semi-Trailer Tank, 32,000 L Capacity
- (f) Annex "E", Federal Contractors Program for Employment Equity - Certification;
- (g) the Contractor's bid dated _____

6.10 SACC Manual Clauses

A1009C	Work Site Access	2008-05-12
A9006C	Defence Contract	2012-07-16
A9049C	Vehicle Safety	2011-05-16
A9062C	Canadian Forces Site Regulations	2011-05-16
C2800C	Priority Rating	2013-01-28
C2801C	Priority Rating - Canadian-based Contractors	2017-08-17
D3010C	Delivery of Dangerous Goods / Hazardous Products	2016-01-28
D5510C	Quality Assurance Authority (Department of National Defence) - Canadian-based Contractor	2017-08-17
D5515C	Quality Assurance Authority (DND) - Foreign-based and United States Contractor	2010-01-11
D5540C	ISO 9001:2008 Quality Management Systems - Requirements (QAC Q)	2010-08-16
D5604C	Release Documents - Foreign based Contractor	2008-12-12
D5605C	Release Documents - US based Contractors	2010-01-11
D5606C	Release Documents - Canadian-based Contractors	2012-07-16
D9002C	Incomplete Assemblies	2007-11-30
G1005C	Insurance	2016-01-28

6.11 Inspection and Acceptance

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

6.12 Preparation for Delivery

The vehicle / equipment must 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 inspection authority or consignee personnel at the final delivery location.

The fuel tanks must be at least half full prior to release of the vehicles to inspection authority or consignee.

6.13 Shipping Instructions - Delivery at Destination

6.13.1 The Contractor must ship the goods prepaid DDP - Delivered Duty Paid (as detailed at Annex "A"- Pricing). Unless otherwise directed, delivery must be made by the most economical means. Shipping charges must be shown as a separate item on the Contractor's invoice. The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including the payment of customs duties and taxes.

6.13.2 The Contractor must deliver the goods by appointment only. The Contractor or its carrier must arrange delivery appointments by contacting the contacts specified in Annex "A"- Pricing. The consignee may refuse shipments when prior arrangements have not been made.

6.14 Release Documents - Distribution

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

- a. One (1) copy mailed to consignee marked: "Attention: Receipts Officer";
- b. Two (2) copies with shipment (in a waterproof envelope) to the consignee;
- c. One (1) copy to the Contracting Authority;
- d. One (1) copy to:
National Defence Headquarters
Mgen George R. Pearkes Building

101 Colonel By Drive
Ottawa, ON K1A OK2
Attention: _____

- e. One (1) copy to the Quality Assurance Representative;
- f. One (1) copy to the Contractor; and
- g. 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.

NOTE: For into-plane refuelling contracts b, c and d above are not required

6.15 Post-Contract Award Meeting/Pre-Production Meeting

Within ten (10) calendar days from the effective date of the Contract, the Contractor must contact the Contracting Authority to determine if a post-contract award meeting is required. A meeting will be convened at the discretion of the Technical Authority after contract award to review technical and contractual requirements. The Contractor shall be responsible for the preparation and distribution of the minutes of meeting within five (5) calendar days after the meeting has been held. The meeting will be held at the Contractor's facilities or at the Department of National Defence facility or via teleconference, at Canada's discretion at no additional cost to Canada, with representatives of the Contractor, the Department of National Defence and Public Works and Government Services Canada.

6.16 Progress Reports

The Contractor must submit monthly reports, in electronic format, on the progress of the Work, to both the Technical Authority and the Contracting Authority.

Each progress report must address the following questions:

- (a) Is the delivery on schedule?
- (b) Is the Contract free of any areas of concern in which the assistance or guidance of Canada may be required?
- (c) Each negative response must be supported with an explanation.

6.17 Tools and Loose Equipment

For shipment verification, all items and tools, which are shipped loose with the vehicle/equipment must be listed on the Inspection Certificate (CF 1280) or on an attached packing note.

6.18 Material

Material supplied must be new unused and of current production by manufacturer. (2018 model-year or newer).

6.19 Design Changes

The "Design Change, Design Deviation and Waiver Procedure" as defined in National Defence Standard D-02-006-008/SG-0001 must apply.

6.20 Interchangeability

Unless changes during the production run are authorized by Contracting Authority, all vehicles supplied against any one item of a contract must be the same make and model, and all like assemblies, sub-assemblies and parts must be interchangeable.

6.21 Packaging

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

6.22 Service at Delivery

The Contractor must send a Service Representative to each delivery destination to perform the assembly/preparation on all vehicles delivered. Cost to provide this service must be included in the price of each vehicle.

6.23 Vehicle Recall Notices

All vehicle recall notices must be forwarded to:

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

Attention: *(designation and name of TA to be inserted by PWGSC at contract award)*

ANNEX "A" - PRICING

Item 001 Heavy Duty Semi-Trailer Tank, 32,000 L Capacity (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, CD of all approved manuals, data summary, photographs, warranty letter(s), preventative maintenance replacement parts kit list, line setting ticket, special tools list and operator and maintenance training in English in accordance with the attached Annex "B" - Purchase Description – Heavy Duty Semi-Trailer Tank, 32,000 L Capacity.

The Heavy Duty Semi-Trailer Tank, 32,000 L Capacity and ancillary items must be delivered to:

ASG Gagetown Supply Company
Major Equipment Section, Bldg 10
Oromocto, NB E2V 4J5
Canada

Delivery contact: _____ (Name to be inserted by PWGSC at time of contract award.)

Date of delivery: _____ (Date to be inserted by PWGSC at time of contract award.)

Firm unit price of \$ _____ per vehicle, including all equipment and ancillary items, in accordance with Basis of Payment Type 1 (as detailed at Clause 6.5.1 Basis of Payment).

Quantity: Two (2)

Item 002 Heavy Duty Semi-Trailer Tank, 32,000 L Capacity (Optional Quantity)

If this option is exercised, The Contractor must deliver the vehicle/equipment including the manuals and warranty letter(s) in accordance with the attached Annex "B" - Purchase Description –Heavy Duty Semi-Trailer Tank, 32,000 L Capacity

For Destinations in British Columbia;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment Type 1 (as detailed at Clause 6.5.1 Basis of Payment).

For Destinations in Alberta and Saskatchewan;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment Type 1 (as detailed at Clause 6.5.1 Basis of Payment).

For Destinations in Manitoba;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment Type 1 (as detailed at Clause 6.5.1 Basis of Payment).

For Destinations in Ontario and Quebec;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment Type 1 (as detailed at Clause 6.5.1 Basis of Payment).

For Destinations in New Brunswick and Nova Scotia;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment Type 1 (as detailed at Clause 6.5.1 Basis of Payment).

Quantity: Up to Two (2)

Item 003 Operator training - English (Option)

If this option is exercised, the Contractor must provide Operator Training, in accordance with the attached Annex "B"- Purchase Description – Purchase Description –Heavy Duty Semi-Trailer Tank, 32,000 L Capacity

Firm unit price of \$ _____ in accordance with Basis of Payment Type 2(as detailed at Clause 6.5.1 Basis of Payment).

Quantity: Up to Two (2)

Item 004 Operator training - French (Option)

If this option is exercised, the Contractor must provide Operator Training, in accordance with the attached Annex "B"- Purchase Description – Purchase Description –Heavy Duty Semi-Trailer Tank, 32,000 L Capacity

Firm unit price of \$ _____ in accordance with Basis of Payment Type 2(as detailed at Clause 6.5.1 Basis of Payment).

Quantity: Up to Two (2)

Item 005 Maintenance instructions training - English (Option)

If this option is exercised, the Contractor must provide Maintenance instruction training, in accordance with the attached Annex "B"- Purchase Description - Heavy Duty Semi-Trailer Tank, 32,000 L Capacity

Firm unit price of \$_____ in accordance with Basis of Payment Type 2(as detailed at Clause 6.5.1 Basis of Payment).

Quantity: Up to Two (2)

Item 006 Maintenance instructions training - French (Option)

If this option is exercised, the Contractor must provide Maintenance instruction training, in accordance with the attached Annex "B"- Purchase Description - Heavy Duty Semi-Trailer Tank, 32,000 L Capacity

Firm unit price of \$_____ in accordance with Basis of Payment Type 2(as detailed at Clause 6.5.1 Basis of Payment).

Quantity: Up to Two (2)

Item 007 Travel and Living for Operator and Maintenance Instruction/Training (Option)

(Item 007 will not be included in the financial evaluation)

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

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

Estimated cost: \$_____ (to be inserted by PWGSC if an option is exercised) Operator and Maintenance Instruction/Training, for Travel and Living expenses, Delivered Duty Paid at destination, in accordance with Clause 6.5.1, Basis of Payment Type 3.

Quantity: Up to Two (2)

Solicitation No. - N° de l'invitation
W8476-195932/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
hp929

Client Ref. No. - N° de réf. du client
W8476-195932

File No. - N° du dossier
HP929 W8476-195932

CCC No./N° CCC - FMS No/ N° VME

ANNEX “D” TO PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

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

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

ANNEX "E" TO PART 5 OF THE BID SOLICITATION

FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION

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

For further information on the Federal Contractors Program for Employment Equity visit Employment and Social Development Canada (ESDC) - Labour's website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html>).

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

Complete both A and B.

A. Check only one of the following:

- ☐ A1. The Bidder certifies having no work force in Canada.
- ☐ A2. The Bidder certifies being a public sector employer.
- ☐ A3. The Bidder certifies being a federally regulated employer (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/regulated-industries.html>) being subject to the Employment Equity Act (<http://laws-lois.justice.gc.ca/eng/acts/E-5.401/>).
- ☐ A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).

A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

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

OR

☐ A5.2. The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to ESDC – Labour (<https://catalogue.servicecanada.gc.ca/content/EForms/en/Detail.html?Form=LAB1168>). As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC C-Labour.

B. Check only one of the following:

☐ B1. The Bidder is not a Joint Venture.

OR

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



ANNEX B

PURCHASE DESCRIPTION FOR

Heavy Duty Semi-Trailer Tank, 32,000 L Capacity ECC 158355



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.

OPI DSVPM 5 – DAVPS 5

Issued on Authority of the Chief of the Defence Staff

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

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RDIMS # 4038545



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1. SCOPE

1.1 Scope

- a) This purchase description covers the requirements for a semi-trailer, tank, bulk haul, with a net capacity of 32,000 litres. The vehicle will be used as a mobile fuel-dispensing unit.

1.2 Instructions

- a) Requirements, which are identified by the word “must”, are mandatory. Deviations will not be permitted.
- b) Requirements identified with a “will” define actions to be performed by Canada and require no action/obligation on the Contractor's part.
- c) Where “**must**” or “will” are not used, the information supplied is for guidance only.
- d) In this document “provided” **must** mean “provided and installed”.
- e) Where a technical certification is referred to in this specification, a copy of the certification or an acceptable Proof of Compliance **must** be supplied for the vehicle when requested by the Technical Authority.
- f) Metric measurements are used to define the requirement. Other measurements are for reference only and may not be exact conversions.
- g) Nominal dimensions reflect a method by which materials or products are generally identified, but which differ from the actual measured dimensions.

1.3 Definitions

- a) “**Technical Authority**” - The government official responsible for technical content of this requirement.
- b) “**Equivalent**” - Substitutes and alternatives that are equivalent in product, performance or a standard will be considered for acceptance by the Technical Authority where Proof of Compliance for equivalency for the respective requirement is provided for evaluation.
- c) “**Semi-Trailer Tank**” – Any equipment, with or without auxiliary motive power, equipped with a cargo tank mounted thereon or built as an integral part thereof, used for the transportation of flammable and combustible liquid or asphalt, and so constructed that, when drawn by a tractor by means of a fifth wheel connection, some part of its load and weight rests upon the towing vehicle.
- d) “**Vehicle**” – The entire semi-trailer tank including all systems and sub-systems, in a complete manufactured state in accordance with the requirements in this Purchase Description.
- e) “**Road Legal**” – Applies to a self-propelled vehicle designed for or capable of transporting persons, property, material or permanently or temporarily affixed apparatus on a highway.

- f) **"5th percentile adult female"** – As defined in the *Motor Vehicle Safety Regulations (C.R.C., c. 1038)* a person having as physical characteristics a mass of 46.3 kg, height of 1499 mm, erect sitting height of 785 mm, normal sitting height of 752 mm, hip sitting breadth of 325 mm, hip sitting circumference of 925 mm, waist sitting circumference of 599 mm, chest depth of 191 mm, bust circumference of 775 mm, chest upper circumference of 757 mm, chest lower circumference of 676 mm, knee height of 455 mm, popliteal height of 356 mm, elbow rest height of 180 mm, thigh clearance height of 104 mm, buttock-to-knee length of 518 mm, buttock-to-poples length of 432 mm, elbow-to-elbow breadth of 312 mm and seat breadth of 312 mm.
- g) **"95th percentile adult male"** – As defined in the *Motor Vehicle Safety Regulations (C.R.C., c. 1038)* a person having as physical characteristics a mass of 97.5 kg, height of 1849 mm, erect sitting height of 965 mm, normal sitting height of 930 mm, hip sitting breadth of 419 mm, hip sitting circumference of 1199 mm, waist sitting circumference of 1080 mm, chest depth of 267 mm, chest circumference of 1130 mm, knee height of 594 mm, popliteal height of 490 mm, elbow rest height of 295 mm, thigh clearance height of 175 mm, buttock-to-knee length of 640 mm, buttock-to-poples length of 549 mm, elbow-to-elbow breadth of 506 mm and seat breadth of 404 mm.
- h) **"Gross Axle Weight Rating (GAWR)"** - The value specified by the vehicle manufacturer as the load-carrying capacity of a single axle system, as measured at the tire-ground interfaces.
- i) **"Gross Vehicle Weight Rating (GVWR)"** - The value specified by the vehicle manufacturer as the loaded weight of a single vehicle.

2. APPLICABLE DOCUMENTS

2.1 Applicable Documents

- a) The following documents form part of this Purchase Description. The dates of issue are those in effect on the date of release of the RFP. Canada will not be supplying these documents. Sources are as shown:

Canadian Occupational Health and Safety Regulations (COHSR), 2015

<http://laws.justice.gc.ca/eng/regulations/sor-86-304/index.html>

Motor Vehicle Safety Regulations (MVSR)

Government of Canada / Transport Canada

<https://www.tc.gc.ca/eng/acts-regulations/regulations-crc-c1038.htm>

Automotive (On-road) Diesel Fuel

CAN/CGSB Standard 3.517

Standards Council of Canada

270 Albert Street, suite 200

Ottawa, ON K1P 6N7

<https://www.scc.ca/en>

Hazardous Products Act

Government of Canada

<http://laws-lois.justice.gc.ca/eng/acts/H-3/>

CSA B620 - Highway Tanks and Portable Tanks for the Transportation of Dangerous Goods
CSA B621 – Selection and Use of Highway Tanks, TC Portable Tanks, and Other Large Containers for the Transportation of Dangerous Goods, Classes 3,4,5,6.1,8 and 9

Canadian Standards Association (CSA)
178 Rexdale Blvd.
Toronto, Ontario M9W 1R3

NFPA 385 - Tank Vehicles for Flammable and Combustible Liquids

National Fire Protection Association (NFPA)
1 Batterymarch Park
Quincy, Massachusetts 02169-7471

MIL-STD-209K – Department of Defence, Interface Standard for Lifting and Tie down Provisions

http://www.sddc.army.mil/sites/TEA/Functions/Deployability/TransportabilityEngineering/Modeling/Documents/MIL-STD-209K_2005-02-22.pdf

API RP 1004 - Bottom Loading and Vapor Recovery for MC-306 & DOT-406 Tank Motor Vehicles

American Petroleum Institute (API)
1220 L Street, NW
Washington, DC 20005-4070

R.S., 1985, c. W-6

Weights and Measures Act
<http://laws-lois.justice.gc.ca/eng/acts/W-6/page-1.html>

SAE Handbook

Society of Automotive Engineers Inc.
400 Commonwealth Dr,
Warrendale, PA, 15096
<http://www.sae.org>

3. REQUIREMENTS

3.1 Standard Design

- a) **Latest Model** - The vehicle design **must** be the manufacturer's latest model.
- b) **Industry Acceptability** - The vehicle design **must** have demonstrated industry acceptability by having been manufactured and sold commercially for at least 2 year, or be manufactured by a company that has at least 5 years' experience in design and manufacturing of a comparable type of equipment of equivalent or greater complexity.
- c) **Engineering Certification** - Original manufacturers engineering certification **must** be provided upon request for major drive train components, and major equipment systems and assemblies, to demonstrate that assemblies are used within their design limitations.
- d) **Regulations** – The vehicle **must** 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. International equivalent laws, regulations, and industrial standards will be accepted only if certified for equivalency by a professional engineer.

- e) **Published Ratings** - The vehicle **must** have system and component capacities equivalent to published ratings (i.e. product or component brochures).
- f) **Standard Components** - The vehicle **must** include all standard components, equipment and accessories for the model offered, although they may not be specifically described in this Purchase Description.
- g) **Spare Parts** - The manufacturer **must** select components readily available for a minimum period of ten (10) years from the date of manufacture.
- h) **Hazardous Materials** - The contractor **must** comply with Hazardous Products Act of Canada concerning the use of hazardous materials, ozone depleting substances, polychlorinated biphenyls, asbestos and heavy metals used in the manufacture and assembly of the product supplied.
- i) **Measurements** – Values for labels and indicators provided with equipment **must** be presented in metric units, or **must** have both imperial and metric units with metric dominant.

3.2 Operating Conditions

3.2.1 Weather

- a) The vehicle **must** 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

- a) The unladen or fully laden vehicle **must** be capable of being operated on paved roads, gravel roads, dirt road with severe potholes and cross-country. Terrain conditions include year round operations on snow, mud, sand and ice.

3.3 Safety Standards

3.3.1 Vehicle Safety Regulations

- a) The vehicle **must** comply with the Motor Vehicle Safety Regulations (MVSr).
- b) The completed vehicle **must** have Safety Compliance Certification Label with a National Safety Mark (NSM), as a seal of compliance **or** be accompanied by a Vehicle Import Form containing proof of Inspection by the Registrar of Imported Vehicles.
- c) The vehicle **must** meet the requirements of NFPA 385, CSA 621 and all other relevant standards normally used by industry.
- d) The vehicle **must** be certified in accordance with *TC 406 – Highway and Portable Tanks for the Transportation of Dangerous Goods* pursuant to CSA B620.
- e) The tank, filtration system, pumping system, fuelling system, and all related components **must** be compatible with Type A and B diesel fuel as specified in CAN/CGSB-3.517.
- f) The vehicle **must** meet the requirement of the Weights and Measures Act (R.S., 1985, c. W-6)

3.3.2 Transport Canada Registration

- a) The contractor **must** be registered with Transport Canada for the manufacture and assembly of TC 406 - Highway and Portable Tanks for the Transportation of Dangerous Goods prior to contract award.

3.3.3 Human Factors Engineering

- a) The vehicle, all systems, and components **must** comply with the relevant sections of the COHSR.
- b) The vehicle **must** be manufactured/assembled for safety and ease of use by CAF users with anthropometric characteristic measurements ranging from 95th percentile male to 5th percentile female;
- c) The vehicle **must** have entry and exit points equipped with handles and steps sized and positioned to accommodate CAF users with anthropometric characteristic measurements ranging from 95th percentile male to 5th percentile female.
- d) The vehicle **must** be equipped, with warning and instruction plates, non-slip walking surfaces and heat shields, for operator safety.

3.4 Vehicle Performance, Ratings and Dimensions

3.4.1 Performance

- a) The vehicle **must** be safely towable at minimum of 110 km/h.
- b) The vehicle **must** safely traverse and stop on 20 percent (11.45 degrees) side slope.
- c) The vehicle **must** be self-contained.

3.4.2 Weight Ratings

- a) The GVWR of the vehicle **must** not be less than the sum of the unloaded vehicle mass, the cargo carrying capacity as defined in the *Motor Vehicle Safety Regulations (C.R.C., c. 1038)*.
- b) Each GAWR **must** be equal to or less than the load rating of the weakest component in the axle system, i.e., axle housing, suspension, wheels, or tires.
- c) The total load on each axle of the vehicle **must** not exceed the GAWR for that axle.
- d) Axle loads **must** comply with all the provincial weight restrictions across Canada.

3.4.3 Dimensions

- a) The vehicle **must** have road legal dimensions across Canada.
- b) The vehicle minimum ground clearance **must** be 450 mm (17.7 inches).

3.5 Transportability

- a) Tie down provisions **must** be provided in accordance with *MIL-SPEC-209K* to secure the vehicle in case of transport by rail.

3.6 Frame

- a) The frame **must** be of heavy duty construction and be manufactured for use in all conditions specified in sections 3.2, 3.3 and 3.4.

3.6.1 Landing Gear(s)

- a) The vehicle **must** be equipped with landing gear(s).
- b) The landing gear(s) **must** be capable of supporting the fully loaded trailer for an indeterminate period of time when the trailer is independent of the prime mover.
- c) The landing gear(s) **must** be equipped with a two speed gearbox, a crank handle located on the left-hand side of the trailer and landing gear(s) with self-levelling landing pad(s).

3.6.2 Fifth Wheel Coupling Plate

- a) A fifth wheel coupling plate **must** be provided.

3.7 Braking System

- a) The vehicle **must** be equipped with an air brake system including a parking brake controllable by/from the truck tractor.
- b) The vehicle **must** be equipped with an electronic stability control system.
- c) The prime mover is equipped with a 12-volt equipment brake controller in the cab, air brake glad hands, and a 12-volt 7-way socket with ABS.

3.8 Suspension System

- a) The vehicle **must** be equipped with an air suspension system.
- b) The suspension system **must** be provided with double acting shock absorbers on all axles.
- c) The suspension system **must** include immediate response automatic ride height control.

3.9 Wheels, Rims and Tires

- a) Tires and rims **must** be selected in accordance with MVSR Technical Standards Documents No. 120, Revision 1R.
- b) Tires **must** have a tread pattern for use in the operating conditions described in Paragraph 3.2.
- c) The wheels, tires and rims **must** include valve extensions for inner tires, if used, to allow for easy access;

- d) One full size spare tire assembly must be provided with each vehicle with on-board storage.

3.10 **Equipment Performance**

- a) The vehicle will normally be used to provide a large number of short duration, low flow rate, fuelling stops. Occasionally, the vehicle will be used as a bulk fuel dispenser requiring higher flow rates.
- b) The pumping system **must** be compatible with this operation cycle.

3.10.1 **Fuelling System**

- a) A low-pressure system **must** provide incrementally or infinitely variable fuelling flow up to a maximum of 450 litres (119.2 US gallons) per minute, controllable from the pumping station.

3.10.2 **Defueling System**

- a) The vehicle **must** be provided with an auxiliary defueling capability.
- b) The defueling flow rate **must** be variable.
- c) The maximum defuelling flow rate **must** be at least 90 litres (23.78 US gallons) per minute.

3.10.3 **Overfill Protection**

- a) A high-level shutdown system **must** be installed to prevent the overfilling of the product tank during defuelling or when bottom loading through the 2 ½-inch and 4-inch adaptors.
- b) An electronic overfill protection for bottom loading through the API 4-inch and 2 ½-inch **must** be provided.
- c) The electronic overfill protection system **must** be compatible with API RP 1004 commercial loading-racks.
- d) A Thermistor socket, J-slot Optic socket and a float socket **must** be provided.

3.11 **Equipment Requirements**

- a) The product tank, filtration system, product delivery system, and related equipment **must** meet the requirements detailed in the current issue of *NFPA 385, CSA 621, CSA B620 TC 406 and the Weights and Measures Act (R.S., 1985, c. W-6)*.
- b) The product meter **must** be certified in accordance with Measurement Canada Weights and Measures Act (R.S., 1985, c. W-6).
- c) The vehicle fuelling system **must** be certified for trade.

3.11.1 **Product Tank**

- a) The product tank **must** be a single compartment design.

- b) The product tank **must** be a heavy duty construction.
- c) The product tank **must** be a low profile type design.
- d) The product tank **must** have a minimum capacity of 32,000 litres plus an additional 3 percent allowance for expansion and water sumps.
- e) The product tanks assemblies, including the tanks shell, ends, baffles, and other components directly welded to the tank **must** be constructed of aluminium alloy or stainless steel.
- f) The heads and baffles **must** be designed in accordance to the latest issue of the CSA B620, TC 406.
- g) The product tank **must** be equipped with baffles with a minimum 609 mm (24") inside diameter flange apparatus for personnel access.
- h) The product tank **must** be equipped with at least one manhole of a minimum diameter of 50.8 cm (20").
- i) The product tank **must** be designed to discharge rainwater from the top of the tank away from any structural components of the vehicle.
- j) The drains **must** be a minimum size of 1.5 inch on the bottom corners on each side of the rollover protection, at the front and rear sections, to drain liquids from the centre of the rollover sections.
- k) The product tank **must** incorporate a vapour recovery system conforming to *API RP 1004* with a connector located near the bottom-loading connectors.
- l) The vapour recovery system **must** be equipped with an override/bypass mode for situations where vapour recovery is not present.
- m) All outlets, valves, closures, piping, or any devices that if damaged in an accident could result in a loss of product **must** be protected with an accident damage protection system.
- n) All product piping **must** be either aluminum or stainless steel. Aluminum alloy is desired wherever possible.
- o) Connections made by Victaulic couplings or companion flanges are suggested for this application. Dissimilar metals **must** be protected from galvanic corrosion.

3.11.2 **Catwalk**

- a) A full-length catwalk **must** be provided at the top of the product tank.
- b) The catwalk **must** be designed as per *Canada Occupational Health and Safety Regulations*.
- c) The catwalk **must** not present a hazard to personnel or interfere with top-mounted equipment.
- d) The walking area **must** be equipped with a non-slip surface.

- e) The catwalk **must** be equipped with a non-slip surface and an automatic fold-down safety rails operable from the ground, coated with a fuel resistant rubberized compound to increase grip and to provide thermal insulation.

3.11.3 **Rollover Damage Protection**

- a) Rollover damage protection device(s) **must** be provided in accordance with the latest issue of the CSA B620, TC 406.

3.11.4 **Ladder**

- a) An aluminum ladder **must** be provided to safely and easily access the top of the tank.
- b) The ladder **must** meet the Canada Occupational Health and Safety Regulations.
- c) The ladder **must** have flexible type joints if installed on the chassis to relieve flexing stress between the chassis and the tank.
- d) The ladder **must** be of a heavy duty construction with the required support.
- e) The ladder frame **must** rise at least 25 cm above the height of the rollover protection rails and then curve downward to meet the rails.
- f) Grab-handles **must** be provided on the top of the tank and a handrail on each side of the ladder.
- g) Grab-handles on the top of the tank **must** be continuous with the handrails on the ladder to provide safety of ascent and descent.
- h) The ladder **must** have a minimum step width of 18 inches, a minimum step distance of 11 inches, a minimum step depth of 4 inches and a minimum toe clearance of 6 inches from inner edge of ladder step.

3.11.5 **Piping**

- a) All product piping **must** be either aluminum or stainless steel.
- b) Aluminum alloy is desired wherever possible. Connections made by Victaulic couplings or companion flanges are suggested for this application.
- c) Dissimilar metals **must** be protected from galvanic corrosion.

3.11.6 **Sump**

- a) The product tank **must** be provided with a sump to trap water.
- b) The product tank sump area **must** be a minimum of 1% of the tank's nominal capacity.
- c) The product supplied to the pump **must** be taken from a location external to the sump.
- d) The sump **must** be sloped and fitted a self-closing nominal 1-inch gate valve to ensure it can be fully drained of accumulated water.

3.11.7 Gravity Discharge

- a) Gravity discharge must be possible so that each product tank can be defueled through the recirculation port or the 63 mm (2 ½ in) bottom loading adapter in the event the truck is disabled and no air or electrical systems are operational.

3.12 Pumping Equipment

- a) An independent product-pumping system **must** be provided.
- b) The pump and the engine **must** be configured as an easily replaceable module.
- c) The module **must** be mounted on a fully enclosed platform inside the cabinet.

3.12.1 Pump

- a) The pump **must** be a self-priming centrifugal pump.
- b) The pump **must** drop to low speed and pressure when a closed discharge is encountered.
- c) The pump **must** have a drain plug or valve for completely draining the pump.

3.13 Pump Drive / Engine

- a) The engine **must** be diesel powered.
- b) The engine **must** meet CSA B621 clause 7.1 d) requiring an automatic engine air intake shut off device that shall activate automatically if engine runaway is detected and remain activated until manually reset.

3.13.1 Engine Components

- a) The fuel tank **must** have a fuel capacity that will provide at least four (4) continuous hours of pumping operations.
- b) The engine exhaust **must** be secured and located in accordance with NFPA 385 requirements.

3.13.2 Engine Electrical Starting System

- a) The vehicle **must** be equipped with an engine electrical starting system.
- b) The vehicle **must** be equipped with an alternator to charge the maintenance free battery and provide power at low RPM to all electrical components when it's disconnected from the prime mover.
- c) The maintenance free battery **must** be stored in an insulated battery box.
- d) Solar panel(s) **must** be provided to keep the battery charged.

3.14 Valves and Vents

- a) The product tank valves **must** be capable of being repaired and replaced from the product tank exterior.
- b) The product tank **must** be equipped with internal valves and vents in accordance with NFPA 385 and CSA B620 requirements.

3.15 Bottom Loading

- a) Product will normally be loaded through bottom loading adaptor.
- b) A 101 mm (4") bottom loading system conforming to API RP 1004 **must** be provided.
- c) The adapter **must** be located on the curb side of the vehicle.
- d) A protective cap and lanyard **must** be provided to protect the adaptors when not in use.

3.16 Filtration System

- a) The vehicle **must** be equipped with a filtration system.
- b) The filter vessel **must** meet ASME code and be model Vel-Max VX-3 or equivalent.
- c) The filter elements **must** be Velcon AD-61425 (NSN 4330-20-001-4725) or equivalent.

3.17 Fuelling Equipment

- a) Metered product **must** be dispensed through a 38.5 mm (1.5") inside diameter system.

3.17.1 Hose Reels

- a) Two hose reels with a minimum capacity of 15.24 meters (50') of 38.5 mm (1.5") inside diameter hard walled hose **must** be provided.
- b) The reels **must** be electrically operated, have a manual hand crank, and be equipped with a brake and locking device.
- c) The reels **must** be enclosed and must be capable of fuelling on each side of the vehicle.
- d) If the crank is removable, it **must** have a storage provision near the reel or in the stowage cabinet.

3.17.2 Fuelling Hoses

- a) Two Arctic quality hoses of 15.24 meters (50') length and of 38.1 mm (1.5") inside diameter **must** be supplied with a female 38.1 mm (1.5") dry break and all required fittings.
- b) The hoses **must** be installed on the respective pumping system reels.

3.17.3 Fuelling Nozzle

- a) A 38.1 mm (1.5") hose nozzle **must** be provided for each hose with a protective cap, grounding plug cap, grounding clamps, 38.1 mm (1.5 inch) male dry break adaptor and wire mesh screen.
- b) The nozzle **must** be NSN 4930-01-290-0756 or equivalent.

3.18 Defuelling Equipment

- a) The vehicle **must** be provided with an auxiliary defuelling capability.

3.18.1 Defuelling Connection

- a) The connection to the defuelling system **must** be a 50.8 mm (2") cam lock connector located within the pumping cabinet.
- b) A gate valve and dust cap **must** be located on the connector.

3.18.2 Defuelling Hoses

- a) Two arctic quality hoses of 50.8 mm (2") inside diameter **must** be supplied.
- b) The hoses **must** each measure at least 3 metres (9.8 feet) in length and include the required cam lock connections and caps on each end.

3.18.3 Defuelling Spout

- a) A 31.75 mm (1.25") right-angle defuelling spout with 600 mm (24") of reach **must** be supplied.
- b) The spout **must** be attached to the defuelling hose with the 2" cam lock connection.
- c) The ancillary defuelling attachments **must** have stowage provision in a storage cabinet.

3.19 Other Equipment

3.19.1 Spill Kit

- a) A fuel spill kit **must** be provided and located in an easily accessible dedicated weatherproof aluminum storage box with a non-locking door.
- b) The spill kit **must** be AF Pollution Abatement Systems Part AF16 or **Equivalent**.
- c) The storage box door **must** be labelled in 50 mm (2") high black text, "*Spill Kit, Trousse de déversement*".

3.19.2 Fire Blanket

- a) A fire blanket **must** be provided and be model Steel Fire Equipment FB64 or **Equivalent**.
- b) The blanket **must** be located in an aluminum storage canister with a self-latching door.

- c) The storage canister door **must** not interfere with removal of the blanket.
- d) The canister **must** be weatherproof, painted fire engine red, and labelled in red on a white background with letters 50 mm (2") high, "*Fire Blanket, Couverture Anti-Feu*".

3.19.3 **Dipstick**

- a) A dipstick and a depth chart **must** be provided.

3.19.4 **Wheel Wrench**

- a) A wheel nut wrench **must** be provided and stowed in the stowage cabinet.

3.19.5 **Fire Extinguishers**

- a) The vehicle **must** be equipped with at least two fire extinguishers, one on each side.
- b) The fire extinguishers **must** have a rating of at least 2-A:20-B, C as per NFPA 385.
- c) The extinguishers **must** be secured with heavy duty mounting bracket.

3.19.6 **Wheel Chocks**

- a) The vehicle **must** be supplied with four wheel chocks.
- b) The wheel chocks **must** be made from a fuel resistant elastomeric compound.
- c) A mounting bracket **must** be incorporated into the body for the storage of wheel chocks.
- d) The bracket **must** be positioned for easy access. It is preferred that the storage location is on the driver side of the vehicle.

3.20 **Body**

- a) The vehicle body must be design based on the operating conditions specified in paragraph 3.2.
- b) Two storage tubes constructed of aluminium **must** be mounted on each side of the body, and will be used to stow the defueling hoses.
- c) The storage tubes **must** include closures that prevent the ingress of water and debris.
- d) All wheels **must** be equipped with fenders to retain road splash.
- e) A heavy-duty, full width, bolt on, rear bumper **must** be provided in accordance with CSA B620, TC406.
- f) The bumper **must** be designed such that the fully loaded vehicle can be pushed without damage.
- g) Any lights and reflectors mounted to the bumper **must** be recessed.

- h) The vehicle tank **must** be provided with black mud flaps.

3.21 Cabinets

- a) The vehicle **must** be equipped with weatherproof cabinets.
- b) All cabinet boxes and cabinet doors **must** be constructed of aluminum alloy.
- c) All cabinets **must** have a sloping solid floor with a drain and be lined with removable open grid elastomeric matting.
- d) Elastomeric seals and gutters **must** be used to prevent the ingress of dust, debris, and water.
- e) The door handles **must** be recessed positive locking type and include padlocking provision.
- f) All cabinet doors must include a system to hold them in place in the open position in high wind conditions.
- g) The door(s) once open **must** not come into contact with the body of the cabinet.

3.21.1 Pumping Cabinet

- a) The pumping cabinet **must** enclose the meter(s), pumping control panel, and related equipment, with sufficient room around the equipment for ease of maintenance and operation.
- b) The location of the pumping cabinet **must** allow the operator to supervise the delivery of both hoses.

3.21.2 Storage Cabinets

- a) At least two storage cabinets **must** be provided and located on each side of the vehicle.
- b) The storage cabinets **must** have a solid floor lined with removable open grid elastomeric matting for protecting tools and the compartment finish.
- c) Tie downs or equipment holders **must** be provided to secure defined loose items.

3.22 Pumping Instruments and Controls

- a) The controls **must** be properly sized and arranged to allow personnel wearing artic mittens to easily operate the equipment.
- b) A throttling valve **must** be installed between the meter and the hose reels.
- c) The throttling valve **must** be manually controlled, graduated, locking type and lever operated.
- d) The throttling valve **must** be readily accessible to the operator and will be used to control the flow rate. During normal operations, the valves would remain set until a requirement for a higher or lower flow is encountered.

- e) A valve control **must** be installed on the pumping control panel for opening and closing the internal valves of the product tank.
- f) A drain valve switch **must** be provided to control the drain valve of the product tank.
- g) The vehicle **must** have at least two emergency shut-off controls, one mounted on each side of the vehicle.
- h) Each emergency fuel shut-off controls **must** be identified by the words "EMERGENCY FUEL SHUTOFF" in letters at least 50 mm (2 in.) high.
- i) The method of operation **must** be indicated by an arrow or by the word "PUSH" OR "PULL", as appropriate.
- j) All instruments in controls necessary for the operation of the pumping system **must** be grouped and labelled within the pumping control panel.

3.22.1 **Meters**

- a) The vehicle **must** be equipped with two meters certified by Measurement Canada.
- b) The meters **must** be certified for flow rate from 45 up to 225 litres (11.89 to 59.44 US gallons) per minute as specified by the Measurement Canada Approval Number S.WA-0368.
- c) The meters **must** be the 1.5 inches Liquid Controls M7 flow meter or **Equivalent**.
- d) The meters **must** be calibrated in litres and include an air release valve, backpressure valve, and strainer.
- e) A check valve **must** be installed on the air eliminator line at the tank opening.

3.22.2 **Registers**

- a) The vehicle **must** be equipped with two mechanical registers.
- b) The registers **must** be Veeder-Root or **Equivalent**.
- c) Both registers **must** permit the display of litres, and be clearly visible, within easy reach of an operator standing on the ground at the control panel.

3.22.3 **Fuel Level Display**

- a) A fuel level measurement system including fuel level display, overfill and low level protection **must** be provided.
- b) The system **must** be Titan Logix TD80 system or **Equivalent**.
- c) The main display **must** be located on the bottom loading side and the remote display **must** be located in the control panel cabinet.

3.23 Equipment Electrical

- a) A 12 volt negative ground electrical lighting system **must** be provided.
- b) A seven pin trailer receptacle **must** be provided.
- c) Electrical circuits for installed equipment **must** be protected by identified vapour proof automatic circuit breakers.
- d) The installation of all lights, switches, relays, circuit breakers, electrical devices and similar components **must** be vapour-proof.
- e) All components **must** be installed in a vapour-proof enclosure, unless their construction is inherently vapour-proof.
- f) All connections to vapour-proof enclosures and components **must** be sealed and vapour-tight.
- g) All wiring **must** be labelled at each connecting end.
- h) Grommets **must** be used when wiring passes through sheet metal.
- i) No conduits **must** be routed through the product tank, piping, or drains.

3.23.1 Grounding Studs

- a) At least five brass grounding studs **must** be installed.
- b) Each grounding stud **must** be labelled with red circle measuring 101 mm (4") in diameter, centred on or placed next to the studs.
- c) The words "Ground" and "Borne de terre" **must** be painted or as a decal in white letters within the red circle.
- d) The studs **must** not be painted.
- e) One grounding stud **must** be installed as close as possible to each of the two manhole covers.
- f) One grounding stud **must** be located near the bottom loading adaptor.
- g) The remaining studs **must** be installed as close as possible to the lower rear corners of the rear product tank.

3.23.2 Grounding Cable

- a) A grounding cable, complete with recoil reel and grip clamp, **must** be installed in the pumping cabinet.
- b) The cable and reel **must** meet the requirements of Commercial Item Description A-A 50696, Type II (50 foot cable).

3.23.3 **Bonding**

- a) The engine, cab, tanks, chassis frame, fuel delivery components, and other metal parts **must** be electrically bonded.

3.24 **Accessories**

- a) Front licence plate holder **must** be provided.
- b) Rear licence plate holder with LED light **must** be provided.
- c) A towing hook(s) **must** be provided at the rear of the vehicle.

3.25 **Hydraulic System**

- a) If required, the hydraulic system **must** be complete with all required components and include but not limited to pump, motors, actuator, cylinders, reservoir, filters and control valves.
- b) The reservoir **must** be labelled with approved hydraulic fluid and reservoir capacity.

3.25.1 **Lubricants and Fluids**

- a) All lubricants and fluids provided **must** meet the operating conditions specified in Paragraph 3.2.1.

3.26 **Lighting**

- a) The vehicle **must** be equipped with LED lights.
- b) The vehicle **must** be equipped with four flood lights and be Betts Industries Model 325503 (NSN 6240-01-662-5626) or **Equivalent**.
- c) Automatic strip lighting **must** be installed in all cabinets and be master controlled when the pumping system is powered up.
- d) A high profile amber strobe lights **must** be installed on the vehicle and be Star Warning system model 200A-12V-A or **Equivalent**.
- e) A switch placed on the control panel **must** operate the strobe light.

3.27 **Controls**

- a) Each control **must** be permanently marked to identify the function, in both English and French or international symbols as defined by SAE J1362.
- b) Controls **must** not restrict the operator's field of view.
- c) Control panel lights **must** be provided for adequate lighting for nighttime operations.

3.28 Instruments

- a) Instruments **must** be metric and visible to operator.
- b) An ammeter, voltmeter or charging indicator **must** be provided.
- c) An engine coolant temperature indicator **must** be provided.
- d) If required, a hydraulic oil temperature and level indicator **must** be provided.
- e) An engine oil pressure indicator **must** be provided.
- f) An hour-meter with numeric display, which accurately records accumulated engine running time up to at least 9,999 hours **must** be provided.
- g) A fuel level indicator **must** be provided.
- h) An engine tachometer **must** be provided.
- i) A temperature control which will automatically shut-down the engine at the manufacturer's recommended setting.

3.29 Paint

- a) All metal surfaces **must** be protected.
- b) The prime coating **must** be a high durability, corrosion resistant type, such as an epoxy.
- c) The vehicle and tank **must** be painted Olive Drab Green in accordance with FED STD 34094.
- d) Chrome features **must** not be employed or painted.
- e) All exposed exterior surfaces normally painted for the commercial trade **must** be painted Olive Drab Green.

3.30 Retroreflective Tape

- a) Retroreflective tape **must** be placed on the vehicle in accordance with the Motor Vehicle Safety Regulations (MVSr).

3.31 Corrosion Protection

- a) The vehicle **must** be designed and manufactured to prevent galvanic corrosion.
- b) The materials used in the vehicle manufacturing **must** resist damage or deterioration as a result of cleaning with hot or cold water, steam, or detergents.
- c) A commercial rust prevention coating **must** be applied to the vehicle, such as Krown Rust Control or Rust Check.
- d) A decal and warranty papers for the rust prevention coating **must** accompany the vehicle.

3.32 Warning, Markings and Instruction Plates

- a) All identification, instructional, and warning labels **must** be bilingual or International symbols defined in SAE J1362.
- b) All identification, instructional, and warning labels **must** within view of the operator.
- c) A product flow diagram and operating instruction **must** be provided and permanently affixed in a conspicuous and protected location.
- d) All gauges, valves, controls, fuel system service points, product tank sump, and drain points **must** be labelled.
- e) Dangerous goods placard holders **must** be provided and located on each side of the vehicle as per CSA B620 standard.
- f) There **must** be provisions made to mount a flat fuel identification sign on each side of the vehicle.
- g) The dimension of the sign should be 610 mm (24") high by 1.22 metres (48") long.

3.32.1 Vehicle identification

- a) The vehicle identification information **must** be permanently affixed in a conspicuous and protected location.
- b) Identification information **must** include the cab and chassis manufacturer's name, model number, serial number, and model year.
- c) Identification information **must** include the body manufacturer's model and serial number.
- d) Identification information **must** include the equipment manufacturer's model and serial number.
- e) Identification information **must** include the GVWR and GAWR ratings.
- f) A corrosion-resistant metal identification plate **must** be permanently affixed to the tank or its supporting structure in accordance with CSA B620, TC 406.

4. INTEGRATED LOGISTIC SUPPORT

4.1 Vehicle Manuals– All manuals required for the description, operation, maintenance and repair of the complete equipment, including sub-systems, **must** be provided.

4.1.1 Operator's Manuals

- a) The operator's manuals **must** be bilingual (English/French).
- b) The operator's manuals **must** include instructions for the safe operation of the vehicle.
- c) The operator's manuals **must** include daily operator maintenance instructions/checks (including lubrication).

- d) The operator's manuals **must** include safety warnings.
- e) The operator's manuals **must** include hand signals (as necessary).

4.1.2 **Parts Manual(s)**

- a) The parts manual(s) **must** be in English (bilingual is desirable).
- b) The parts manual **must** have illustrations showing all components of the vehicle including equipment and accessories from other manufacturers that are supplied to meet the requirements of the contract, with numbers for the itemization of the parts.
- c) The parts manual **must** have a listing for all itemized parts showing the Original Equipment Manufacturers (OEM) part number, the part name and a brief description of the item.
- d) The parts manual **must** cross reference the OEM part number to the correct illustration and item number.
- e) The parts manual **must** have a representation of bilingual warning signs and identification labels delivered on the equipment.

4.1.3 **Maintenance Manuals**

- a) The maintenance manual **must** be bilingual.
- b) The maintenance manual **must** include a trouble shooting guide, showing the steps and tests required to determine the exact cause of a problem and an explanation of the steps required to correct a problem.
- c) The maintenance manual **must** include a listing of the necessary tolerances, torque levels, fluid volume, and special tools (including item part numbers).
- d) The maintenance manual **must** include information on the order of disassembly and assembly of the systems and components of the vehicle.
- e) The maintenance manual **must** include special tools list as per 4.3.4.

4.1.4 **Manual Delivery to Technical Authority**

- a) Sample manuals **must** be submitted to the Technical Authority (TA) prior to the delivery of the vehicle/trailer for each model and or sub-system for approval. Sample manuals will not be returned. TA will provide approval or comments on the manuals within 30 days.
- b) One (1) complete set of approved manuals (Operator's, Maintenance, and Parts) in electronic format **must** be delivered to the Technical Authority.

4.1.5 Manual Delivery with Vehicle

- a) One (1) complete set of manuals (Operator's, Maintenance, and Parts) **must** accompany each vehicle, shipped to each location.
- b) The manuals **must** be in paper and electronic format.

4.1.6 Electronic Format

- a) Approved copies of the electronic format manuals **must** be delivered on CD/DVD-ROM.
- b) CD/DVD-ROM **must not** require installation, password and/or Internet connection to be accessed and be an unlocked PDF in a searchable format.

4.1.7 Provisional Manuals

- a) In the event that approved manuals are not available at the time of delivery of the equipment, manuals marked "Provisional" **must** be supplied with the equipment.
- b) The contractor **must** deliver replacement approved manuals to all destinations where Provisional manuals were delivered.

4.1.8 Manual Supplements

- a) The contractor **must** supply manual supplements (Operator's, Maintenance and Parts) to support dealer-installed equipment not covered in the Vehicle Manuals.
- b) Manual supplements **must** be delivered in accordance with 4.1.4 and 4.1.5.

4.1.9 Translation and Reproduction Rights

- a) The Canadian Government **must** reserve the right to translate and reproduce, for Government use only, all or any part of the publications supplied, including the training packages delivered against the contract agreement.

4.1.10 Changes to Manuals

- a) During the period of the contract, changes to equipment, which affect the contents of manuals, **must** be reflected in the revision of the electronic and paper version of the manuals.
- b) Changes to the manuals **must** conform to the same format and presentation requirements as the original manuals.
- c) The revised electronic version of the manual **must** be sent to the Technical Authority by the Contractor.

4.2 Warranty Letter

- a) The warranty letter **must** include a list of all Canadian designated warranty service providers that will honour the warranty for the equipment and attachments (if applicable) procured under this contract, including the contact person and phone number at each warranty service provider.

- b) The warranty letter **must** include additional warranty coverage of sub-systems and a copy of the warranty letter from each sub-system's Original Equipment Manufacturer (OEM).
- c) The warranty letter **must** include warranty period as negotiated in the contract.
- d) The warranty letter **must** include Contractor contact information, name and phone number, for warranty support.

4.2.1 **Warranty Letter Delivery**

- a) The Contractor **must** provide a bilingual warranty letter to the Technical Authority and with each vehicle. If the Technical Authority requires the letter to be in DND format, then they will provide the Contractor a template for the DND acceptable format of the warranty letter.

4.3 **Other ILS Deliverables to Technical Authority**

4.3.1 **Data Summary**

- a) The Contractor **must** provide a bilingual Data Summary for each make/model/configuration of vehicle by completing Technical Authority's template with data and a vehicle picture.

4.3.2 **Photographs**

- a) The Contractor **must** provide photographs in colour, taken against a plain background, and in digital JPEG format with a minimum 10 megapixel resolution.
- b) One left front three-quarter view of a completed unit **must** be provided.
- c) One right rear three-quarter view of a completed unit **must** be provided.

4.3.3 **Dimensioned Drawing**

- a) One side and front view sketch showing the dimensions **must** be provided. Brochure sketches are acceptable.

4.3.4 **Special Tools List** - The Contractor **must** provide an itemized list of specific special tools required for the servicing and repair of the vehicle and include:

- a) Item name;
- b) Contractor's part number;
- c) Manufacturer's part number (OEM);
- d) Quantity recommended per delivery location;
- e) Unit price; and
- f) Unit of issue.

4.3.5 **Preventive Maintenance Replacement Parts Kit List (PMRPKL)** - The contractor ***must*** provide a list detailing the parts that are required to perform preventive maintenance to the system for a period of 12 months, and include:

- a) Item name;
- b) Contractor's part number;
- c) Manufacturer's part number (OEM);
- d) Manufacturer's NATO Supply code (NCAGE) or name and address;
- e) NSN (NATO Stock Number) (if known);
- f) Quantity per equipment;
- g) Quantity recommended;
- h) Unit price; and
- i) Unit of issue.

4.3.6 **Recommended Spare Parts List (RSPL)** - The Contractor ***must*** provide a list detailing the spare parts deemed necessary to maintain the vehicle for a period of 12 months exclusive of any warranty period, and include:

- a) Item name;
- b) Contractor's part number;
- c) Manufacturer's part number (OEM);
- d) Manufacturer's NATO Supply code (NCAGE) or name and address;
- e) NSN (NATO Stock Number) (if known);
- f) Quantity per equipment;
- g) Quantity recommended;
- h) Unit price; and
- i) Unit of issue.

4.3.7 **Cataloguing Information**

- a) The Contractor ***must*** provide, upon request, the information necessary to catalogue the parts for the vehicle.

- b) Cataloguing Information **must** include the NSN (NATO Stock Number) of the part, if known. If the NSN is provided no other supporting technical data need be provided for that item; and
- c) Cataloguing Information **must** include technical information, which to allow DND to identify, classify and fully describe the part(s) to a NATO standard. This could include specifications, standards, drawings, or catalogues with brief description(s) of relevant dimensional, material, mechanical, electrical and physical/ performance characteristics. Drawings will not be sent to other suppliers for production.

NOTE: Drawings sent to the Technical Authority will remain the property of the contractor.

NOTE: This may require meetings between DND and the contractor to obtain and validate information.

4.4 Safety Recalls and Servicing Data

- a) Safety recalls, and manufacturer's technical service bulletins, or equivalent **must** be provided to the technical authority and the final delivery locations on a continuing basis, throughout the life expectancy of the vehicle or for no less than 10 years.

4.5 Training

4.5.1 Maintenance Training

- a) The Contractor **must** provide a maintenance training course.
- b) The course **must** be given at the delivery destination and be available in both official languages.
- c) The course **must** have a minimum duration of 1 day to provide training of up to eight (8) maintenance personnel and have the final dates arranged with the Technical Authority.
- d) The course **must** have a syllabus or course outline and schedule available for review seven (7) days prior to the course commencement date.
- e) After completion of the course, the Contractor **must** have a "*PROOF OF MAINTENANCE TRAINING*" certificate signed by a Canada Representative for the destination. The Technical Authority will supply this document in an electronic format.

4.5.2 Maintenance Training Curriculum

- a) Operator's training detailed in Paragraph 4.6.4 below **must** be included in the curriculum.
- b) Operation and maintenance safety precautions **must** be included in the curriculum.
- c) Preventive maintenance including servicing schedules (10 % of classroom time) **must** be included in the curriculum.
- d) Trouble shooting, testing, and adjustments (70 % of classroom time) **must** be included in the curriculum.
- e) Special tools and test equipment **must** be included in the curriculum.

4.5.3 **Operator Training**

- a) The Contractor **must** provide an operator training course.
- b) The course **must** be given at the delivery destination and be available in both official languages.
- c) The course **must** have minimum duration of one (1) day to provide training for up to eight (8) operators and have the final dates arranged with the Technical Authority.
- d) The course **must** have a syllabus or course outline and schedule available for review seven (7) days prior to the course commencement date.
- e) After completion of the course the Contractor **must** have a “*PROOF OF OPERATOR TRAINING*” certificate signed by a Crown Representative for the destination. The Technical Authority will supply this document in an electronic format.

4.5.4 **Operator Training Curriculum**

- a) Safety precautions to be observed while operating and servicing the vehicle **must** be included in the curriculum.
- b) Vehicle operating characteristics **must** be included in the curriculum.
- c) Vehicle operating procedures **must** be included in the curriculum.
- d) Pre-operating and pre-shutdown procedures **must** be included in the curriculum.
- e) Daily/weekly operator servicing procedures **must** be included in the curriculum.
- f) A minimum of two (2) hours practical operating experience, per operator, **must** be provided.

4.5.5 **Training Materials**

- a) Training materials **must** be provided to each attendee, in French for locations in Quebec.
- b) Training materials **must** include a list of topics to be covered;
- c) Training materials **must** include an approximate timetable showing when topics are scheduled to be covered and how much time is scheduled for each topic;
- d) Training materials **must** list any reference material; and
- e) Training materials **must** make available any reference material used.

ANNEX C
Technical Evaluation Matrix
Heavy Duty Semi-Trailer Tank, 32,000 L Capacity

Bidder Information

Bidder Name: _____
 Proposal Date: _____
 Proposed Make and Model: _____

Technical Mandatory Criteria			
PD Reference	PD Requirement	Bid Evaluation Requirement	Location in Bid Proposal
3.1 b)	Industry Acceptability The vehicle design must have demonstrated industry acceptability by having been manufactured and sold commercially for at least 2 year, or be manufactured by a company that has at least 5 years' experience in design and manufacturing of a comparable type of equipment of equivalent or greater complexity.	References for 3 clients that have received comparable type equipment of greater or equivalent complexity in the past 5 years	
3.3.1 a)	Vehicle Safety Regulations The vehicle must comply with the Motor Vehicle Safety Regulations (MVSRI).	Copy of Ministerial Authorization	
3.3.2	Transport Canada Registration The contractor must be registered with Transport Canada for the manufacture and assembly of TC 406 - Highway and Portable Tanks for the Transportation of Dangerous Goods prior to contract award.	Copy of valid transport canada certification of registration	
3.4.2 c)	Weight Rating The total load on each axle of the vehicle must not exceed the GAWR for that axle.	Preliminary design calculations	
3.6.1	Landing Gear(s) b) The landing gear(s) must be capable of supporting the fully loaded trailer for an indeterminate period of time when the trailer is independent of the prime mover.	Preliminary design calculations	
3.7 b)	Braking System The vehicle must be equipped with an electronic stability control system.	Substantive information	
3.12.1 a)	Pump The pump must be a self-priming centrifugal pump.	Data summary of proposed pump	

3.16	<u>Filtration System</u> a) The vehicle must be equipped with a filtration system. b) The filter vessel must meet ASME code and be model Vel-Max V/X-3 or equivalent. c) The filter elements must be Velcon AD-61425 (NSN 4330-20-001-4725) or equivalent.	Substantive information	
3.17.2 a)	<u>Fuelling Hoses</u> Two Arctic quality hoses of 15.24 meters (50') length and of 38.1 mm (1.5") inside diameter must be supplied with a female 38.1 mm (1.5") dry break and all required fittings.	Substantive information	
3.22.1 c)	<u>Meters</u> The meters must be the 1.5 inches Liquid Controls M7 flow meter or Equivalent.	Substantive information	
3.22.2 b)	<u>Registers</u> The registers must be Veeder-Root or Equivalent.	Substantive information	
Proposed Equivalents			
PD Reference	PD Requirement	Bid Evaluation Requirement	Location in Bid Proposal