



**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 35 TON LOW BED SEMI-TRAILER	
Solicitation No. - N° de l'invitation W0002-160002/A	Date 2016-09-28
Client Reference No. - N° de référence du client W0002-160002	
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-918-71625	
File No. - N° de dossier hp918.W0002-160002	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-11-08	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Huda Dahir	Buyer Id - Id de l'acheteur hp918
Telephone No. - N° de téléphone (873) 469-3330 ()	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	



Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
D - 1	TRANSPORTATION SECTION HGR 14 UPLANDS SITE 250 CONVAIR PVT, OTTAWA, ON K1V 2N7	I - 1	SYLVAIN LECLERC HGR 14 UPLANDS SITE 250 CONVAIR PVT, OTTAWA, ON K1V 2N7



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire FOB/FAM		Del. Offered Liv. offerte
1	35 TON LOW BED SEMI-TRAILER Semi-trailer in accordance with Annex "B" - Purchase Description (PD) For 35 Ton Low Bed Trailer.	D - 1	I - 1	1	Each	\$	XXXXXXXXXXXX	See Herein

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PART 1 - GENERAL INFORMATION

1.1 Requirement

Canada is seeking proposals to procure:

1.1.1 Quantity 1 (one), 35 Ton Low Bed Trailer and ancillary items as described in Annex “A” - Pricing and in accordance with Annex “B” – Purchase Description (PD) for 35 Ton Low Bed Trailer.

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 North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).

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 [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) 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 (2016-04-04) 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

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

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 their bid:

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement

(<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- 1) use 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.

3.2 Substitute and Alternatives

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

3.2.1 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.

3.2.2 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 and Annex "A" – Pricing.

3.3 SACC Manual Clauses

3.3.1 Exchange Rate Fluctuation Risk Mitigation

1. The Bidder may request Canada to assume the risks and benefits of exchange rate fluctuations. If the Bidder claims for an exchange rate adjustment, this request must be clearly indicated in the bid at time of bidding. The Bidder must submit form [PWGSC-TPSGC 450](#) , Claim for Exchange Rate Adjustments with its bid, indicating the Foreign Currency Component (FCC) in Canadian dollars for each line item for which an exchange rate adjustment is required.
2. The FCC is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuations. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provision in the contract. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease).
4. At time of bidding, the Bidder must complete columns (1) to (4) on form [PWGSC-TPSGC 450](#) , for each line item where they want to invoke the exchange rate fluctuation provision. Where bids are evaluated in Canadian dollars, the dollar values provided in column (3) should also be in Canadian dollars, so that the adjustment amount is in the same currency as the payment.
5. Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

Section III: Certifications

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

Section IV Additional Information

Canada requests that bidders submit the following information:

3.4 Delivery

3.4.1 Firm Quantity

While delivery of the trailer is requested by February 28, 2017 the best delivery that can be offered is as follows:

Item 001 – Quantity 1 (one), 35 Ton Low Bed Trailer and related items will be delivered within _____ calendar days from the effective date of the contract.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1. Evaluation Procedures

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

4.1.1 Mandatory Technical Evaluation Criteria

4.1.1.1 Mandatory Proof of Compliance

Bidders must submit, with their bid, all proof of compliance required in the Annex “B” – Purchase Description (PD) for 35 Ton Low Bed Trailer.

4.1.1.2 Substitutes and/or Alternatives

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 and 002.

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 Canadian dollars for familiarization instructions/training (option) item 002. 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 familiarization instructions/training (option).

4.1.2.4 To determine the total price for the firm quantity and the familiarization instructions/training (option), calculation will be as follows:

- a) The firm unit price for the firm quantity and familiarization instructions/training (option) will be multiplied by their identified estimated quantity 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 To determine the aggregate evaluated price for the firm quantity, optional quantity and the familiarization 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; and
- b) The result will be added to the total price for the firm quantity and the familiarization instructions/training (option) 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 *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

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

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "[FCP Limited Eligibility to Bid](#)" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](#) website (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969).

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

5.2.3 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

5.2.3.2 General Environmental Criteria Certification

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

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

Bidders' Authorized Representative Signature

Date

Or

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

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

Green Practices within the Bidders' organization	Insert a checkmark for each criterion that is met
Promotes a paperless environment through directives, procedures and/or programs	
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 Quantity 1 (one), 35 Ton Low Bed Trailer and ancillary items as described in Annex “A” – Pricing and in accordance with Annex “B” – Purchase Description (PD) for 35 Ton Low Bed Trailer.

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 [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.2.1 General Conditions

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

(If applicable)

6.2.1.1 Section 09 of general conditions 2010A is amended by replacing the period of twelve (12) months by twenty-four (24) months.

All other provisions of the warranty section remain in effect.

6.3. Term of Contract

6.3.1 Delivery of Trailer

6.3.1.1 Firm Quantity

Delivery date of the trailer must be made as follows:

Item 001 – Quantity 1 (one), 35 Ton Low Bed Trailer and ancillary items must be delivered on or before _____ (Date 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:

Huda Dahir

Supply Specialist

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: 873-469-3330

E-mail address: huda.dahir@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: _____ - _____ - _____

Facsimile: _____ - _____ - _____

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: _____ - _____ - _____
Facsimile: _____ - _____ - _____
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 Contractor's Representative

Name and telephone number of the person responsible for:

General enquiries

Name: _____ (To be completed by the bidder.)
Title: _____
Telephone: _____ - _____ - _____
Facsimile: _____ - _____ - _____
E-mail: _____

Delivery follow-up

Name: _____ (To be completed by the bidder.)
Title: _____
Telephone: _____ - _____ - _____
Facsimile: _____ - _____ - _____
E-mail: _____

6.4.5 After Sales Service

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

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

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

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

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

6.5.2 SACC Manual Clauses

C6000C	Limitation of price	2011-05-06
H1001C	Multiple Payments	2008-05-12

6.5.3 Exchange Rate Fluctuation Adjustment (if applicable)

1. The foreign currency component (FCC) is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuation. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
2. For each line item where a FCC is identified, Canada assumes the risks and benefits for exchange rate fluctuation, as shown in the Basis of Payment. For such items, the exchange rate fluctuation amount is determined in accordance with the provision of this clause.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provisions in the contract. The exchange rate adjustment amount will be calculated in accordance with the following formula:

$$\text{Adjustment} = \text{FCC} \times \text{Qty} \times (i_1 - i_0) / i_0$$

where formula variables correspond to:

FCC

Foreign Currency Component (per unit)

i₀



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

i₁

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

Qty

quantity of units

4. The initial exchange rate is typically set as the noon rate as published by the Bank of Canada on the solicitation closing date.
5. For goods, the exchange rate for adjustment will be the noon rate as published by the Bank of Canada on the date the goods were delivered. For services, the exchange rate for adjustment will be the noon rate on the last business day of the month for which the services were performed. For advance payments, the exchange rate for adjustment will be the noon rate on the date the payment was due. The most recent noon rate will be used for non-business days.
6. The Contractor must indicate the total exchange rate adjustment amount (either upward, downward or no change) as a separate item on each invoice or claim for payment submitted under the Contract. Where an adjustment applies, the Contractor must submit with their invoice form [PWGSC-TPSGC 450](#) , Claim for Exchange Rate Adjustments.
7. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease), calculated in accordance with column 8 of form [PWGSC-TPSGC 450](#)  (i.e. $[i_1 - i_0] / i_0$).
8. Canada reserves the right to audit any revision to costs and prices under this clause.

6.6 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 # _____** (To be inserted by PWGSC at time of contract award.). 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 _____ (To be inserted by PWGSC at time of contract award.)

- (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 – Quantity: 1), 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.

6.8 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 (PD) For 35 Ton Low Bed Trailer;
- (e) 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	2014-11-27
D5510C	Quality Assurance Authority (Department of National Defence) - Canadian-based Contractor	2014-06-26
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 vehicle(s) 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 0K2
Attention: _____ (To be inserted by PWGSC at time of contract award.)
- 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. (2016 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 35 Ton Low Bed Trailer (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, electrical systems drawing, dimensional drawing, and familiarization training in accordance with the attached Annex "B" – Purchase Description (PD) For 35 Ton Low Bed Trailer.

The 35 Ton Low Bed Trailer and ancillary items must be delivered to:

Transportation Section
250 Convair Pvt
Ottawa, Ontario
K1V 2N7

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 trailer, 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: one (1).

Item 002 Familiarization instructions/training (Option)

If this option is exercised, the Contractor must provide familiarization instruction/training, in accordance with the attached Annex "B" – Purchase Description (PD) For 35 Ton Low Bed Trailer.

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 one (1).

Item 003 Travel and Living for Familiarization Instruction/Training (Option)

(Item 003 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) Familiarization 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 one (1).

The Canadian Forces Support Unit Ottawa

PURCHASE DESCRIPTION (PD) FOR 35 TON LOW BED TRAILER

29 June 2016

OPI: CFSU(O)/ TSO
Uplands Site
Hgr 14
Ottawa, Ontario
K1V 2N7

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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1.0 SCOPE

1.1 Scope

This purchase description covers the requirements for a 35 Ton Low-Bed Semi-Trailer for transportation of heavy equipment.

1.2 Instructions

The following instructions and definitions apply to the interpretation of this purchase description:

- (a) Requirements, which are identified by the word “shall”, are mandatory. Deviations will not be permitted;
- (b) Requirements identified by “shall^(E)” are mandatory. The Technical Authority will consider substitutes/alternatives for acceptance as an Equivalent;
- (c) Requirements identified with a “will” define actions to be performed by Canada and require no action/obligation on the Contractor’s part;
- (d) Where “shall”, “shall^(E)”, or “will” are not used, the information provided is for guidance only;
- (e) In this document "provided" shall mean "provided and installed";
- (f) Where technical certification is required, a copy of the certification or an acceptable proof of compliance shall be provided upon request;
- (g) Metric measurements shall be used to define the requirement. Other measurements are for reference only and may not be exact conversions; and
- (h) Dimensions stated as nominal shall be treated as approximate dimensions. Nominal dimensions reflect a method by which materials or products are generally identified for sale commercially, but which differ from the actual dimensions.

1.3 Definitions

The following definitions apply to the interpretation of this Purchase Description:

- (a) “Technical Authority” - The government official responsible for technical content of this requirement;
- (b) “Equivalent” - A standard, means, or component type, which has been accepted by the Technical Authority as meeting the specified requirements for form, fit, function and performance;
- (c) “Proof of Compliance” is defined as an unaltered document, such as a brochure and/or technical literature and/or a third party test report provided by a nationally and/or internationally recognized testing facility and/or a report generated by a nationally and/or internationally recognized third party software. The document shall provide detailed information on each performance requirement and/or specification. Where a document submitted as Proof of Compliance does not cover all the performance requirements and/or specifications or when no such document is available or when modifications to the original equipment or customization are required to achieve the performance requirements and/or specifications, a Certificate of Attestation (as a separate document) signed by a senior engineer representing the Original Equipment Manufacturer (OEM)

detailing the modifications and how they meet the performance requirements and/or specifications shall be provided. The certificate shall detail all performance requirements and/or specifications required to substantiate compliance. One certificate can be provided for one or all performance requirements and/or specifications; and

- (d) "Quality Assurance Representative" The Government agent responsible for ensuring that the contractor quality system, material and services supplied meet the contract requirement.

1.4 Configuration Capability Table

The following table details the design requirements, which shall be met for the configuration offered:

Table 1: Performance and Dimension Summary

CHARACTERISTIC	CLAUSE	VALUE	UNITS
MINIMUM PAYLOAD	3.6.1(a)	35000	kg
		77,161	lbs.
MAXIMUM SPEED	3.6.1(b)	105	km/h
		65	mph
MAXIMUM OVERALL WIDTH	3.6.2(a)	259	cm
		102	in
MAXIMUM OVERALL LENGTH	3.6.2(b)	16.2	m
		53	ft
MINIMUM MAIN DECK LENGTH	3.6.2(c)	9.75	m
		32	ft
MAIN DECK HEIGHT (UNLADEN)	3.6.2(d)	43	cm
		17	in
SWING CLEARANCE	3.6.2(e)	206	cm
		81	in
YIELD STRENGTH (MAIN FRAME BEAMS)	3.7.1(a)	689	MPa
		100,000	psi
YIELD STRENGTH (LOAD BEARING CROSS MEMBERS)	3.7.1(b)	552	MPa
		80,000	psi
FRONT OF TRAILER TO KINGPIN DISTANCE	3.7.3(b)	61	cm
		24	in
KINGPIN HEIGHT (LOWEST POSITION)	3.7.3(c)i.	122	cm
		48	in
KINGPIN HEIGHT (HIGHEST POSITION)	3.7.3(c) ii.	140	cm
		55	in
AXLE CAPACITY (EACH)	3.10	15,576	kg
		35,000	lbs

1.5 Delivery Requirement Summary

The following table details the delivery requirements:

Table 2: Delivery Requirement (Mandatory)

Configuration	Quantity
35 Ton Low-Bed Semi-Trailer	1

2.0 **APPLICABLE DOCUMENTS**

The following documents form part of this Purchase Description. Web sites for the organization are given where available. Effective documents are those in effect on date of manufacture. Sources are as shown:

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

Canadian Motor Vehicle Safety Standards (CMVSS)
International Standards Council of Canada
Safety Acts and Regulations
Standardization Branch, 350 Sparks St
Suite 1200, Ottawa, Ontario K1P 6N7

3.0 **REQUIREMENTS**

3.1 Standard Design

The 35 Ton Low-Bed Semi-Trailer shall:

- (a) Be the latest model from a manufacturer who has demonstrated acceptability by manufacturing and selling this type and size class of semi-trailer for at least five (5) years;
- (b) Have engineering certification available, upon demand, for this vehicle/equipment from the original manufacturers of major drive train components and major equipment systems and assemblies;
- (c) Conform to all applicable laws, regulations and industry standards governing manufacture, safety, noise levels and pollution in effect in Canada at time of manufacture;
- (d) Not have system and component capacities increased above published ratings (i.e. product or component brochures); and
- (e) Include all components, and accessories normally supplied for the intended equipment application, although they may not be specifically described in this Purchase Description.

3.2 Operating Conditions

3.2.1 Weather

The vehicle/equipment shall operate under the extremes of weather conditions found in Canada and around the world in temperatures ranging from -34°C to 37°C.

3.2.2 Terrain

The 35 Ton Low-Bed Semi-Trailer shall operate safely and efficiently on paved roads, gravel roads and dirt roads with severe washboard, pot holes and off-road terrain in year round conditions including mud, snow and ice.

3.3 Vehicle Safety Regulations

The 35 Ton Low-Bed Semi-Trailer shall meet the provisions of the Canada Motor Vehicle Safety Act in effect upon the date of manufacture of the vehicle. The completed semi-trailer shall have a Safety Compliance Certification Label with a National Safety Mark (NSM), as a seal of compliance. The bidder shall submit, upon request, variant equipment integrator National Safety Mark (NSM) certification number and a proof of registration with Transport Canada as a Final Stage Manufacturer for the applicable variant equipment.

3.4 Human Engineering and Safety

The 35 Ton Low-Bed Semi-Trailer, all systems and components shall:

- (a) Be designed for easy performance of all maintenance and repair tasks with a minimum of special tools including:
 - i. A 95th percentile male or 5th percentile female is able to easily access all engine, drive train heating/cooling system, electrical and hydraulic components for preventive maintenance, removal and repair tasks; and
 - ii. Have access panels that are not permanently attached (i.e. no riveted plates);
- (b) Be safe and easy to use by a 95th percentile male or 5th percentile female, in accordance with SAE Rule B3.9.4, under all operating conditions;
- (c) Have all entry and exit points equipped with handles and steps suitably positioned, to accommodate a 95th percentile male or a 5th percentile female under all operating conditions; and
- (d) Be equipped, where required for operator safety, with safety features such as warning and instruction plates, non-slip walking surfaces and heat shields.

3.5 General Description

The 35 Ton Low-Bed Semi-Trailer shall have the following:

- (a) A main deck designed to load, unload and transport heavy equipment without the use of a ramp;
- (b) Dual tandem rear axles with a secondary deck over the wheels that is accessible from the main deck; and
- (c) A removable hydraulic gooseneck with an integral hydraulic unit to raise/lower the main deck for loading/unloading, and to connect to the towing vehicle.

3.6 Performance and Dimensions

3.6.1 Performance

The 35 Ton Low-Bed Semi-Trailer shall:

- (a) Have a payload capacity of no less than that given as "PAYLOAD" in the Configuration Capability Table;
- (b) Be capable of being towed at a speed of no less than that given as "MAXIMUM SPEED" in the Configuration Capability Table;

3.6.2 Dimensions

The 35 Ton Low-Bed Semi-Trailer shall^(E) have the following nominal dimensions:

- (a) An overall width of no more than that given as "OVERALL WIDTH " in the Configuration Capability Table;
- (b) An overall length of no more than that given as "OVERALL LENGTH " in the Configuration Capability Table;
- (c) A useable main deck length of no less than that given as "MAIN DECK LENGTH" in the Configuration Capability Table;
- (d) A height from the ground to the main deck, when unladen, of no more than that given as "MAIN DECK HEIGHT (UNLADEN)" in the Configuration Capability Table;
- (e) A swing clearance of no less than that given as "SWING CLEARANCE" in the Configuration Capability Table.

3.7 Construction

3.7.1 Frame

The 35 Ton Low-Bed Semi-Trailer frame shall^(E) be as follows:

- (a) Full length, one-piece (no splices) high strength steel "I" beam main frame rails (minimum four (4) with a yield strength of no less than that given as "YIELD STRENGTH (MAIN FRAME BEAMS)" in the Configuration Capability Table;
- (b) One-piece high strength steel "I" beam load bearing cross members with a yield strength of no less than that given as "YIELD STRENGTH (LOAD BEARING CROSS MEMBERS)" in the Configuration Capability Table;
- (c) Include an alignment guide for gooseneck self-alignment to deck;
- (d) Include two (2) tapered flip-down ramps, one (1) on each side of the forward end of the main deck to facilitate the loading/unloading of heavy equipment, as follows::
 - i. Positioned between the outer edges of the main deck and the gooseneck;
 - ii. Be as wide a possible with the given space;
 - iii. With no more than 30° angle; and
 - iv. Permit secure stowage when not in use;
- (e) Have pins and pivots holes as follows:
 - i. Replaceable bushings; and
 - ii. Knurled/spiraled pin surfaces to facilitate lubrication.

3.7.2 Deck Floor

The main deck floors shall^(E) be as follows:

- (a) Nominal 50 mm (2 in) thickness air dried oak;
- (b) Treated with Linseed oil; and

3.7.3 Kingpin

The 35 Ton Low-Bed Semi-Trailer shall^(E) have a kingpin as follows:

- (a) A nominal diameter of 51mm (2 in);
- (b) A distance between the front of the semi-trailer and the kingpin of no more than that given as "FRONT OF TRAILER TO KINGPIN DISTANCE" in the Configuration Capability Table;
- (c) A distance from the ground to the kingpin as follows:
 - i. In the lowest position no less than that given as "KINGPIN HEIGHT (LOWEST POSITION)" in the Configuration Capability Table; and
 - ii. In the highest position no more than that given as "KINGPIN HEIGHT (HIGHEST POSITION)" in the Configuration Capability Table.

3.7.4 Gooseneck

The 35 Ton Low-Bed Semi-Trailer shall^(E) have a hydraulically operated, removable, non-ground engaging gooseneck including:

- (a) A cam and lever style locking mechanism to lock the gooseneck at various heights that does not utilize pins;
- (b) A hydraulic gooseneck support cylinder that:
 - i. Is capable of supporting the weight of the gooseneck when not connected to the trailer;
 - ii. Eliminates lateral movement of the gooseneck when attached to the towing vehicle fifth wheel; and
 - iii. Has hydraulic controls on the left (road) side of the gooseneck support cylinder or right (curb) side of the gooseneck as applicable
- (c) A visible, self-locking, air activated latching mechanism to attach the gooseneck to the trailer; and
- (d) An air activated main vertical locking pin with controls on the left (road) side of the gooseneck for attaching the gooseneck to the towing vehicle.

3.8 Auxiliary Power Unit

The 35 Ton Low-Bed Semi-Trailer shall^(E) have a diesel engine driven auxiliary power unit as follows:

- (a) Diesel Engine - Include a diesel engine as follows:
 - i. Minimum 16 HP liquid cooled diesel engine;
 - ii. Mounted in a weatherproof compartment within the gooseneck as follows:
 - a. Access doors that swing open and permit access to the compartment when the gooseneck is either attached or detached from the trailer; and
 - b. Include devices to secure the doors in the open and closed positions;

- iii. Shock mounted to reduce vibration transfer to the gooseneck and trailer;
 - iv. Instrumentation and controls mounted in an illuminated weatherproof compartment on the left (road) side of the gooseneck including the following:
 - a. A keyless ignition "Start/Stop" switch;
 - b. An engine coolant temperature gauge with an automatic high-temperature shutdown device;
 - c. An engine oil pressure gauge with an automatic low oil pressure shutdown device; and
 - d. A voltmeter or ammeter;
 - v. Include a magnetic oil pan drain plug;
 - vi. A shielded exhaust system to prevent inadvertent contact with heated surfaces and directs exhaust away from controls, wiring and hoses;
 - vii. Cold weather starting aids to permit engine starting down to -35°C as follows:
 - a. A 110 VAC engine block/oil heater;
 - b. Glow plugs; and
 - c. A diesel-fired engine compartment heater (such as the Webasto Air Top 2000);
 - viii. Spin-on replaceable oil and fuel filters;
 - ix. Dry type air filter with replaceable elements;
 - x. Heavy-duty maintenance-free battery (ies) with a total capacity of no less than 700 Cold Cranking Amperes; and
 - xi. Manufacturer's standard sized steel fuel tank with a level gauge and replaceable return filter;
- (b) Hydraulic System - A manufacturer's standard hydraulic system powered by the diesel engine as follows:
- i. Positive displacement hydraulic pump with minimum output of 27 liters per minute (6 Imperial gallons per minute) at 10 MPa (1500 psi);
 - ii. A hydraulic fluid reservoir as follows:
 - a. A capacity of no less than 45 liters (10 Imperial gallons); and
 - b. Includes the following:
 - 1. Intake filter screen;
 - 2. Inspection plate bolted to a raised lip located on the top of the tank and is accessible without removing other system components within the engine compartment; and
 - 3. External hydraulic fluid level indicator;
 - iii. Replaceable hydraulic filters in both the supply and return pressure lines; and
 - iv. Coupling system for connection to an external hydraulic supply as follows:
 - a. Include a manual selector valve; and
 - b. Couplers with captive protective caps on the forward side of the gooseneck to facilitate connection to the towing vehicle hydraulic wet kit;
- (c) Electrical System - The auxiliary power unit electrical system includes:
- i. An engine driven alternator that will provide power to the auxiliary socket, winch, and maintain the batteries fully charged;
 - ii. A single slave 12 VDC auxiliary socket connector with cover; and

3.8.1 Winch

A trailer mounted hydraulic winch with a manual or air clutch to assist loading with a minimum capacity of 9070 kg (20,000 lbs.) equipped with a minimum 25 m (80 ft) long wire rope with test strength of no less than the winch pull, installed in the back between the beams of the frame.

3.9 Braking System

The 35 Ton Low-Bed Semi-Trailer shall^(E) be equipped with air actuated service brakes and spring actuated parking brakes, which comply with Canadian Motor Vehicle Safety Standards (CMVSS) MVSR 121-1, as follows:

An anti-lock braking system equipped with four (4) sensors and two (2) modules (4S/2M).

- (d) S-cam type air brakes with automatic slack adjusters and outboard drums;
- (e) Include long stroke, spring actuated parking brake chambers (such as Neway Life Seal);
- (f) Include brake housing dust shields
- (g) Include colour-coded visual brake stroke indicators (such as Safe-T-Brake);
- (h) Include a wet air reservoir as follows:
 - i. A quick disconnect fitting for recharging from an external air system;
 - ii. Drains as follows:
 - a. Pull type drain connected by a cable to a handle that is reachable from outside of the vehicle; and
 - b. Heated automatic moisture expelling valve(s);
- (i) Colour coded Gladhands couplers with dummy Gladhands couplers equipped with a safety chain for each Gladhand.

3.10 Axles

The 35 Ton Low-Bed Semi-Trailer shall^(E) have:

- (a) Tandem axles each with a capacity of no less than that given as “AXLE CAPACITY (EACH)” in the Configuration Capability Table; and
- (b) Dual wheel on each axle.

3.10.1 Suspension

The following shall^(E) be provided:

- (a) An adjustable height air ride suspension with rating of 15,576-kgs (35,000-lbs) each axle;
- (b) Shock absorbers on all axles;
- (c) Automatic height control with a manual air suspension dump valve(s); and
- (d) Suspension travel limiters that prevent suspension to over-travel while slinging or lifting the trailer such as cables or chains fastened to the suspension beam or axle and the under frame at a length approximately equal to or less than the shock absorber extended stroke. The use of shock absorbers as travel limiters is not acceptable.

3.11 Wheels and Tires

The 35 Ton Low-Bed Semi-Trailer shall^(E) have the manufacturer’s standard wheels and tires as follows:

- (a) Certified by the manufacturer to be suitably sized and rated for the application and load;
- (b) Include a hub odometer that reads in kilometers, mounted on the forward left-hand wheel of the trailer;
- (c) Include two (2) spare tire/wheel assemblies mounted on the gooseneck in a location to be approved by the Technical Authority; and
- (d) Have tire pressures marked on a plaque near the axle location on both sides of the trailer.

3.12 Electrical System

The following shall^(E) be provided:

- (a) A 12 Volt negative ground electrical system in accordance with CMVSS
- (b) that utilizes Grote, Truck-Lite, sealed harnesses complete with bullet or spade lamp connectors that are compatible with all lamps, dipped in dielectric grease;
- (c) Truck/Trailer connectors located in accordance with SAE J 702 as follows:
 - i. A seven-pin trailer receptacle; and
 - ii. An Anti-Lock Braking System (ABS) trailer receptacle;
- (d) Wiring to be protected and positioned in order to prevent damage including insulating grommets when passing through metal; and
- (e) All components of the electric system to be easily accessible for servicing.

3.13 Lighting/Reflective Devices

The 35 Ton Low-Bed Semi-Trailer shall^(E) be equipped with the manufacturer's standard lighting/reflective devices, using LED lights where available, as follows:

- (a) Complies with all requirements of CMVSS;
- (b) Lights and reflectors recessed or otherwise protected from damage;
- (c) Lighting of a sealed unit design, with flexible rubber mounting rings and waterproof connectors; and
- (d) Includes the following lights/reflectors:
 - i. Three(3) red identification lights in a cluster, located at the centre of the rear of the trailer;
 - ii. At least one (1) licence plate light;
 - iii. Red clearance lights located as follows:
 - a. Two (2) located on either side of the front of the trailer;
 - b. Two (2) located on the center of each side; and
 - c. Two (2) located on either side of the rear of the trailer;
 - iv. Two (2) amber clearance lights, one (1) on each side at the front of the trailer;
 - v. Four (4) red reflectors, one (1) positioned at each of the front and rear corners of the trailer;
 - vi. Mid-section and rear clearance, stop and turn signal lights; and
 - vii. Three (3) amber strobe/flashing center mounted rear warning lights to be installed on the rear plate in accordance with the CMVSS.

3.14 Lubricants and Hydraulic Fluids

The 35 Ton Low-Bed Semi-Trailer shall^(E) be serviced with the manufacturer's standard lubricants and hydraulic fluids compatible with the delivery location and season.

3.15 Miscellaneous Equipment

3.15.1 Equipment Location

All systems and components shall^(E) be properly located and/or protected from road hazards such as water, mud and gravel.

3.15.2 Towing/Tie-down Points

The following shall^(E) be provided:

- (a) Two (2) rear towing points positioned and of sufficient strength to allow the loaded semi-trailer to be recovered;
- (b) Railway tie-down points positioned and of sufficient strength to allow the loaded semi-trailer to be secured and carried on a railroad car;
- (c) Side Tie-down points as follows:
 - i. Minimum 2000 kg (4400 lbs) test strength (each); and
 - ii. Located as follows:
 - a. Ten (10) D-Rings evenly spaced along each exterior side of the main deck; and
 - b. Two (2) flush D-Rings at the rear of the trailer (one on each side);
- (d) Deck Tie-down points as follows:
 - i. Minimum 2000 kg (4400 lbs) test strength (each);
 - ii. Recessed, flush mounted with drain holes; and
 - iii. Located as follows:
 - a. Bolted to the main deck at no more than 20 cm (8 in) from the side of the deck; and
 - b. Two (2) rows of nine (9) bent style D-Rings, one (1) row on the left (road) side of the main deck and (1) row along the right (curb) side of the main deck;

3.15.3 Mud Flaps

Rubber mud flaps shall be provided on the rearmost axle.

3.15.4 Conspicuity Tape

Strips of reflective tape (such as 3M Scotchlite Diamond Grade 980) shall be applied in accordance with the CMVSS regulations.

3.15.5 Placard Holders

Four (4) aluminum "Wide Load" placard holders shall be provided as follows:

- (a) One (1) each side of the main deck frame (two (2) total), centered front to rear;
- (b) One (1) at the rear, lower curbside corner; and
- (c) One (1) at the front, on the left front face of the main deck frame.

3.15.6 Flag Holders

Four (4) aluminum flag holders shall be provided as follows:

- (a) One (1) at each front corner of the main deck (two (2) total); and
- (b) One (1) at each rear corner of the secondary deck over the wheels (two (2) total).

3.15.7 Licence Plate Holder

A rear license plate holder shall be provided.

3.15.8 Document Holder

A document holder shall^(E) be provided, located at the front, on the left (road) side face of the main deck frame.

3.16 Paint and Corrosion Protection

3.16.1 Paint Finish

The 35 Ton Low-Bed Semi-Trailer shall^(E) be painted in accordance with the manufacturer's best production procedures rendering a durable finish at the required film thickness and a smooth appearance free from runs, sags and orange peel consisting of the following:

- (a) A phosphate treatment plus primer or an E-coat system on ferrous metals, followed by two (2) coats of paint or one (1) coat of paint and a clear coat;
- (b) A cleaning and etching treatment plus primer followed by two coats of paint on aluminum components; and
- (c) Install electrical, hydraulic and air lines after painting

3.16.2 Paint Color

The following shall^(E) apply:

- (a) Grey on exposed exterior surfaces normally painted for the commercial trade; and
- (b) Black on chassis items such as frame and tailgate; and
- (c) Chromed, polished and mill finished surfaces need not be painted.

3.16.3 Corrosion Protection System

The following shall be provided:

- (a) Aftermarket rust proofing provided in addition to standard factory rust proofing. The treatment date will be directed by the Technical Authority to optimize seasonal rust prevention benefits. If not demanded prior to delivery, a pre-paid certificate authorizing treatment at an aftermarket outlet shall be provided with the vehicle;
- (b) Metal surfaces treated with a rust preventive oily film product having the following properties;
 - i. Moisture displacing;
 - ii. Creeping (capillary action);

- iii. Low solvent content;
 - iv. Compatibility with rubbers, plastics and all other materials used in automotive construction;
 - v. Non toxic; and
 - vi. Minimal dripping;
- (c) The application includes, but is not limited to, the underside of fenders and hood, enclosed and boxed-in sections, seams, mouldings, crevices, weld points, underbody and exposed exterior brackets.

3.16.4 Corrosion Resistant Materials

The 35 Ton Low-Bed Semi-Trailer shall^(E) utilize stainless steel, zinc plated or aluminium rivets, and plastic black oxide brass fasteners designed to prevent galvanic corrosion.

3.17 Identification

The following information shall be provided as a minimum, permanently marked and in a conspicuous and protected location:

- (a) Manufacturer's name, model number, model year and serial number; and
- (b) The GVWR and GAWR ratings.

3.18 Warning and Instruction Plates

The 35 Ton Low-Bed Semi-Trailer shall be equipped with warning and equipment operation instruction plates as follows:

- (c) Be in bilingual (English and French) format and within easy view of the operator;
- (d) Make use of graphic symbols as much as possible; and
- (e) Include instructions for engine starting, hydraulic system operation and any other special procedures to be followed.

3.19 Delivery Condition

The 35 Ton Low-Bed Semi-Trailer shall be delivered to destination in a fully operational condition (serviced and adjusted) and compartment interiors and the exterior of the trailer shall be cleaned. If the semi-trailer requires assembly at destination, the Contractor shall be responsible for all manpower and equipment to perform assembly. The consignee will provide the area required for assembly. For shipment verification, all items such as wheel wrenches, jacks, and all other tools, equipment and accessories, which are shipped loose with the equipment, shall be listed on the shipping certificate or to an attached packing note.

3.20 Documentation and Support Items

The Contractor shall provide the following documentation and support items:

- (a) Items with each vehicle - The following items with the vehicle:
 - i. Complete sets of manuals provided on CD/DVD-ROM without password(s), special installation requirements or requiring an Internet connection;
 - ii. Operator's Manual – A bilingual Operator's manual in paper format, or as two manuals in a single binder (one English, and one French), including:

- a. Instructions for the safe operation of the vehicle;
 - b. Daily operator maintenance instructions/checks (including lubrication);
 - c. Safety warnings; and
 - d. Hand signals (as required);
 - iii. Parts Manual – A Parts Manual in English (French translation is desirable) including:
 - a. Illustrations showing all components of the vehicle including equipment and accessories from other manufacturers that is supplied against the requirements of the contract including numbers for the itemization of the parts;
 - b. A listing of all itemized manufacturer's parts from the illustrations showing the manufacturer's part name and number, and a brief description of the item; and
 - c. Cross-reference relating manufacturer part number to the correct illustration figure and item number and to the part number of the original component manufacturer and that manufacturer's code number (NCAGE);
 - iv. Maintenance (Shop Repair) Manual - A Maintenance (Shop Repair) Manual in English (French translation is desirable) including:
 - a. A trouble-shooting guide showing the steps and tests required to determine the exact cause of a problem and an explanation of what steps would be required to correct the problem(s);
 - b. A listing of the necessary tolerances, torque levels, and fluid volumes required; and
 - c. A description of the order of disassembly and assembly of the systems and components of the vehicle;
 - v. Warranty Letter – A paper copy of the completed bilingual Warranty Letter with the vehicle shipped in the approved format; and
 - vi. Preventative Maintenance Replacement Parts Kit – A Preventative Maintenance Replacement Parts Kit including all items from the Preventative Maintenance Replacement Parts Kit List as approved by the TA;
- (b) The following documents provided to the Technical Authority:
- i. Warranty Letter – An electronic copy of the warranty letter for each vehicle;
 - ii. Sample Manuals – A set of sample manuals, including all of the above manuals, in electronic format;
 - iii. Electrical System Drawing - A complete vehicle electrical schematic including the Electrical System and the Lighting System with a list of all components;
 - iv. Data Summary - A bilingual Data Summary for the forklift by completing TA's template with data and vehicle pictures as follows:
 - a. One left-front three-quarter view; and
 - b. One right-rear three-quarter view;
 - v. Dimensional Drawing – A drawing in all three views that gives dimensions of vehicle components, sizes, etc. with the vehicle part number and manufacturer's name; and
 - vi. Preventive Maintenance Replacement Parts Kit List - A list of parts needed to perform preventive maintenance on the vehicle for a six (6) month period including all filters and filter elements. The list will be reviewed, amended (if required) and approved by the TA. The following information is to be provided for each item on the list:
 - a. Part description;
 - b. Original Equipment Manufacturer Part number;
 - c. Suggested quantity; and
 - d. Unit cost.

3.21 Training

The Contractor shall provide a one (1) day (8 hours) familiarization instruction for a maximum of eight (8) personnel, no later than one (1) month after delivery of the semi-trailer. The instruction shall include the detailed operation and normal servicing of the semi-trailer and shall be split into four (4) hour segments for operator familiarization and maintainer familiarization. The final dates are to be arranged with the TA.

3.22 Safety Recalls and Servicing Data

The Contractor shall provide the following information to all customer locations throughout the life expectancy of the semi-trailer or for no less than ten (10) years:

- (a) Safety Recalls; and
- (b) Manufacturer's Technical Service Bulletins (or equivalent).

Note - This service can be made available as an Internet Service.

3.23 General

The Contractor shall ensure that spare parts required to properly maintain and repair the semi-trailer are available for purchase for a period of ten (10) years.