

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0A1 / Noyau 0A1
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION

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

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

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

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

Comments - Commentaires

Title - Sujet Truck, Class 8, Flat Deck w/Crane	
Solicitation No. - N° de l'invitation W8476-123374/B	Date 2012-05-31
Client Reference No. - N° de référence du client W8476-123374	
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-539-60611	
File No. - N° de dossier hp539.W8476-123374	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-06-27	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Cafferty, Kathy	Buyer Id - Id de l'acheteur hp539
Telephone No. - N° de téléphone (819) 956-5917 ()	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

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

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

This bid solicitation cancels and supersedes previous bid solicitation number W8476-123374/A dated 15 December 2011 with a closing of 22 February 2012 at 2:00 p.m. EST.

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with this requirement.

2. Requirement

Canada is seeking proposals to procure:

2.1 Qty 1, **Truck, Class 8 Heavy, Flat Deck with Crane** and related items as described in Annex "A" - Pricing and in accordance with Annex "B" - Purchase Description Class 8 Heavy Trucks dated 24 May 2012.

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

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

2.2.2 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.

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

3. Debriefings

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

4. Interpretation

The mandatory requirements stated in this Request for Proposal use the words "shall" or "must" or "mandatory". Proposals not meeting all of the mandatory requirements will be given no further consideration.

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the Standard Acquisition Clauses and Conditions (<http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp>) 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 (**2012-03-02**) 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. Submission of Bids

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

3. Enquiries - Bid Solicitation

All enquiries must be submitted 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 with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

4. Applicable Laws

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

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

5. Improvement of Requirement During Solicitation Period

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

PART 3 - BID PREPARATION INSTRUCTIONS

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 and 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 are encouraged to:

- 1) use paper containing fibre certified as originating from a sustainably-managed forest and/or 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.

2. 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 must complete and submit by the bid closing date and time the following:

Appendix "1" - Technical Information Questionnaire dated 24 May 2012.

2.1 Substitutes and Alternatives

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

2.1.1 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.

2.1.2 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.

2.1.3 In conducting the evaluation of bids, Canada may, but will have no obligation to request the bidder offering a substitute and/or an alternative, to provide a copy of the alternative standard and to demonstrate, at the bidder's sole cost, that it is equivalent to the technical requirement.

3. Section II: Financial Bid

Bidders must submit their prices in Annex "A"- Pricing in accordance with the Basis of Payment described in **Part 6 - RESULTING CONTRACT CLAUSES**, at **Clause 6.1 Basis of Payment**.

3.1 Exchange Rate Fluctuation

- 3.1.1 Unless otherwise specified in the bid solicitation, **bids must be in Canadian currency**.
- 3.1.2 Bidders may request Canada to assume the risk for exchange rate fluctuation. This request must be specifically made at time of bidding.
- 3.1.3 The foreign currency component is defined as the element of the price that will be directly affected by exchange rate fluctuations. It could include the net price FOB foreign manufacturer's plant, costs associated with applicable duty, excise tax, Goods and Services Tax or Harmonized Sales Tax, if applicable, entry fees, transportation costs or delivery charges payable in a foreign currency, and any other charges associated with being the importer of record if they originated from and are required to be paid in a foreign currency.
- 3.1.4 The foreign value of the foreign currency component of the bid or negotiated price must be provided before contract award. Form PWGSC-TPSGC 9411, Claim for Exchange Rate Adjustments, may be used for this purpose. If milestone payments are proposed, it is recommended to indicate on the above form the foreign currency component associated with each milestone event.
- 3.1.5 All bids are evaluated in Canadian currency. Therefore, for evaluation purposes, the noon rate quoted by the Bank of Canada as being in effect on date of bid closing, or such other date as may be specified in the bid solicitation, will be applied as the initial conversion factor for the specified currency. (Column 3 of the above form will be completed by the Contracting Authority.)
- 3.1.6 Rates proposed by bidders will not be accepted for the purposes of this exchange rate adjustment provision.
- 3.1.7 If there are two (2) identical bids, and provided that the bid selected would still be considered the most advantageous to Canada, preference will be given to the Bidder who assumes all or part of the exchange rate adjustment risk over a bidder who does not assume any of this risk. Furthermore, preference will be

given to the Bidder who assumes all of the exchange rate adjustment risk over a bidder who assumes only part of this risk.

3.1.8 Canada will pay the exchange rate adjustment amount in Canadian currency using the prevailing noon rate on the date of payment by Canada or, as applicable, in accordance with clause C3015C.

4. Section III: Certifications and Additional Information

Bidders must submit the certifications required under **PART 5 - CERTIFICATIONS**.

4.1 Additional Information

Canada requests that bidders submit the following information:

4.1.1 Delivery

4.1.1.1 Firm Quantity

While delivery of the vehicle is requested by 6 November 2012, the best delivery that can be offered is as follows:

Item 001 – Qty 1, **Truck, Class 8 Heavy, Flat Deck with Crane** and related items will be delivered within _____ calendar days from the effective date of the contract.

4.1.1.2 Optional Quantity

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

Item 002 – Up to Qty 3, **Truck, Class 8 Heavy, Flat Deck with Crane** and related items will be delivered within _____ calendar days after an option is exercised.

4.1.2 Manufacturer's Standard Warranty Period

Canada requests that the Bidder provide details of the manufacturer's standard warranty period for the vehicle/equipment and its component that exceeds the **minimum warranty period of twelve (12) months**.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

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

2. Technical Evaluation

- 2.1 The purpose of the technical evaluation is to determine if the goods and/or services offered meet all mandatory technical requirements outlined in the documents enumerated hereafter and as required in **Section I - Technical Bid of Part 3 - BID PREPARATION INSTRUCTIONS:**

- Annex "B" - Purchase Description - Class 8 Heavy Trucks dated 24 May 2012; and
- Appendix 1 - Technical Information Questionnaire dated 24 May 2012.

3. Financial Evaluation

- 3.1 The purpose of the financial evaluation is to determine the aggregate price, based on the information submitted in Annex "A" - Pricing.
- 3.2 Aggregate Price Calculation

Bids will be evaluated on an aggregate price basis for the firm quantity and the optional quantity.
- 3.3 Any **Extended Warranty Period** offered will not be included in the financial evaluation and further negotiations may be required.

4. Basis of Selection

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

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications to be awarded a contract. Canada will declare a bid non-responsive if the required certifications are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify the bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

1. Certifications Precedent to Contract Award

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

1.1 Federal Contractors Program - \$200,000 or more

1. The Federal Contractors Program (FCP) requires that some suppliers, including a supplier who is a member of a joint venture, bidding for federal government contracts, valued at \$200,000 or more (including all applicable taxes), make a formal commitment to implement employment equity. This is a condition precedent to contract award. If the Bidder, or, if the Bidder is a joint venture and if any member of the joint venture, is subject to the FCP, evidence of its commitment must be provided before the award of the Contract.

Suppliers who have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive government contracts over the threshold for solicitation of bids as set out in the Government Contracts Regulations. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any bids from ineligible contractors, including a bid from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

-
2. If the Bidder does not fall within the exceptions enumerated in 3.(a) or (b) below, or does not have a valid certificate number confirming its adherence to the FCP, the Bidder must fax (819-953-8768) a copy of the signed form LAB 1168, Certificate of Commitment to Implement Employment Equity, to the Labour Branch of HRSDC.
3. The Bidder, or, if the Bidder is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Bidder or the member of the joint venture

- (a) () is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada;
- (b) () is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;
- (c) () is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC (having not bid on requirements of \$200,000 or more), in which case a duly signed certificate of commitment is attached;
- (d) () is subject to the FCP, and has a valid certificate number as follows:
_____ (e.g. has not been declared an ineligible contractor by HRSDC.)

Further information on the FCP is available on the HRSDC Web site.

[Http://www.hrsdc.gc.ca/eng/labour/equality/fcp/index.shtml](http://www.hrsdc.gc.ca/eng/labour/equality/fcp/index.shtml)

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement associated with this requirement.

2. Requirement

2.1 The Contractor must deliver Qty 1, **Truck, Class 8 Heavy, Flat Deck with Crane** and related items as described in Annex "A" - Pricing and in accordance with Annex "B" - Purchase Description Class 8 Heavy Trucks dated 24 May 2012.

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

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

2.2.2 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.

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

2.3 Optional Extended Warranty Period (if applicable)

The Contractor grants to Canada the irrevocable option to extend the warranty period for an additional (to be inserted by PWGSC at time of contract award) months, under the same terms and conditions and at the price stated in the Contract at Annex "A" - pricing. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option within ninety (90) calendar days after contract award and/or the exercising of an option by sending a written notice to the Contractor.

3. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<http://sacc.pwgsc.gc.ca/sacc/index-e.jsp>) issued by Public Works and Government Services Canada.

3.1 General Conditions

2010A (2012-03-02) General Conditions - Goods (Medium Complexity), apply to and form part of the contract.

3.1.1 **Section 09** entitled **Warranty** of general conditions **2010A** is amended by deleting subsection 2 in its entirety and replacing it with the following:

The Contractor must pay the transportation cost associated with returning the Work or any part of the Work to the Contractor's plant for replacement, repair or making good. The Contractor must also pay the transportation cost associated with forwarding the replacement or returning the Work or part of the Work when rectified to the delivery point specified in the Contract or to another location as directed by Canada. If, in the opinion of Canada, it is not expedient to remove the Work from its location, the Contractor must carry out any necessary repair or making good of the Work at that location. In such cases, the Contractor will be responsible for all Costs (including travel and living expenses) incurred in so doing, Canada will not reimburse these Costs.

If action to effect repairs under warranty cannot be initiated within **two (2)** working days and completed within a reasonable length of time or if the Contractor has no repair facilities in the immediate vicinity (**within 100 kilometres**) of the specified delivery destinations (consignees), the Department of National Defence reserves the right to make such repairs and be reimbursed by the Contractor at the rate of **\$103.91** per hour for labour and the cost for replaced parts."

All other provisions of the warranty section remain in effect.

4. Term of Contract

4.1 Delivery of Vehicle

4.1.1 Firm Quantity

Delivery of the vehicle must be made as follows:

Item 001 - **Truck, Class 8 Heavy, Flat Deck with Crane** and related items must be delivered on or before _____ (Date to be inserted by PWGSC the Contracting Authority at time of contract award.)

4.1.2 Option Quantity

Item 002 - **Truck, Class 8 Heavy, Flat Deck with Crane** and related 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.)

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Kathy Cafferty
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: 819 956-5917
Facsimile: 819 953-2953
E-mail: kathy.cafferty@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.

5.2 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.

5.3 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.

5.4 Contractor's Representative

Name and telephone number of the person responsible for :

General enquiries

Name: _____

Title: _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail: _____

Delivery follow-up

Name: _____

Title: _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail: _____

5.5 After Sales Service

5.5.1 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. Payment

6.1 Basis of Payment - Firm Unit Price(s)

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm unit price(s) specified in Annex "A" - Pricing, and as follows:

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, Goods and Services tax/Harmonized Sales Tax extra.

Basis of Payment (BOP) Type 2: Firm unit prices in Canadian dollars, FCA Free Carrier, Incoterms 2000 at Contractor's Canadian facility or Contractor's Canadian distribution point, including Canadian Custom Duties and Excise Taxes included where

applicable, Goods and Services
Tax/Harmonized Sales Tax extra.

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

6.2 SACC Manual Clauses

H1001C Multiple Payments 2008-05-12

6.3 Exchange Rate/Payment on Delivery

6.3.1 The price in Canadian currency includes the foreign currency component in respect of goods, services or both originating outside Canada, as detailed in form PWGSC-TPSGC 9411, Claim for Exchange Rate Adjustments.

6.3.2 The price must be adjusted to reflect the exchange rate in effect and applied by Canada Border Services Agency (CBSA) on the date of importation, but only in respect of the foreign currency component detailed in the above form.

6.3.3 No price adjustment directly resulting from the application of the provisions contained in this clause will be applied for increases or decreases in the exchange rate within a variation of: plus or minus 2 percent of the exchange rate(s) mentioned above; or plus or minus \$100 of the total cumulative amount claimed for exchange rate adjustment under the Contract.

6.3.4 On each invoice or claim for payment submitted under the Contract, the Contractor must indicate the exchange rate adjustment amount (either upward, downward or no change) as a separate item. In addition, the invoice must be accompanied by a copy of CBSA Form B3-3, Canada Customs Coding Form, for the imported goods, services or both.

6.3.5 Canada will have the right to audit any revision to costs and prices under this clause.

7. Invoicing Instructions

7.1 The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions and include the **Client Ref # BT 239**. Invoices cannot be submitted until all work identified in the invoice is completed.

Each invoice must be supported by:

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

7.2 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 10-3-2-3

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

7.3 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 DND of the said vehicle and all related items as identified in Annex "A" - Pricing.

Goods and Services Tax or Harmonized Sales Tax (GST/HST), as applicable, 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 GST/HST 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.
- (c) One (1) copy must be forwarded to the consignee.

8. Certifications

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

9. Applicable Laws

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

10. Priority of Documents

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

- (a) the Articles of Agreement;
- (b) 2010A (2012-03-02) General Conditions - Goods (Medium Complexity);
- (c) Annex "A" - Pricing;
- (d) Annex "B" - Purchase Description - Class 8 Heavy Trucks dated 24 May 2012;
- (e) Appendix 1- Technical Information Questionnaire dated 24 May 2012;
- (f) the Contractor's bid dated _____.

11. SACC Manual Clauses

A1009C	Work Site Access	2008-05-12
A9006C	Defence Contract	2008-05-12
A9049C	Vehicle Safety	2011-05-16
C2800C	Priority Rating	2011-05-16
C2801C	Priority Rating - Canadian-based Contractors	2011-05-16
D3010C	Dangerous Goods/Hazardous Products	2007-11-30
D5510C	Quality Assurance Authority (DND) - Canadian-based Contractor	2011-05-16
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	2007-11-30

D9002C	Incomplete Assemblies	2007-11-30
G1005C	Insurance	2008-05-12

12. 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.

13. 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 DND personnel at the final delivery location.

The fuel tanks must be at least half full prior to release of the vehicle(s) to DND personnel.

All vehicles delivered to the consignee are to be delivered between the hours of 8:00 am and 4:00 pm Monday through Friday, except Federal holidays. Any attempt by the carrier to deliver vehicles before or after these hours may be refused unless arrangements have been made for authorized, qualified personnel to be available to perform inspections and to accept the delivery. When the carrier is required to return due to its failure to make an appointment for delivery, Canada will not be liable to pay for additional costs.

14. Shipping Instructions - Delivery at Destination (Firm Quantities)

14.1 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.

14.2 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.

15. Shipping Instructions (DND) - Canadian-based Contractor (Optional Quantities)

15.1 Delivery will be FCA Free Carrier at the Contractor's Canadian facility or Contractor's Canadian distribution point, Incoterms 2000. The Contractor must load the goods onto the carrier designated by the Department of National Defence (DND). Onward shipment from the delivery point to the consignee will be Canada's responsibility.

15.2 Before shipping the goods, the Contractor must contact the following DND Inbound Logistics Coordination Center by facsimile or e-mail, to arrange for shipment, and provide the information detailed at paragraph 15.3.

Inbound Logistics Co-ordination Center (ILCC)

Telephone: 1-877-877-7423 (toll free)

Facsimile: 1-877-877-7409 (toll free)

E-mail: ILHQOttawa@forces.gc.ca

15.3 The Contractor must provide the following information to the DND Inbound Logistics Coordination Center when arranging for shipment:

- (a) the Contract number;
- (b) consignee address (for multiple addresses, items must be packaged and labeled separately with each consignee address);
- (c) description of each item;
- (d) the number of pieces and type of packaging (i.e., carton, crate, drum, skid);
- (e) actual weight and dimensions of each piece type, including gross weight;
- (f) full details of dangerous material, as required for the applicable mode of transportation, signed certificates for dangerous material as required for shipment by the International Maritime Dangerous Goods Code, the International Air Transport Association regulations or the applicable Canadian Dangerous Goods Shipping Regulations, and a copy of the materiel safety data sheet.

15.4 Following receipt of this information by Canada, Canada will provide the appropriate shipping instructions, which may include the requirement for specific consignee address labeling, and the marking of each piece with a Transportation Control Number.

15.5 The Contractor must not ship the goods before receiving shipping instructions from the DND Inbound Logistics contact.

15.6 If the Contractor delivers the goods at a place and time which are not in accordance with the given delivery instructions or fail to fulfill reasonable delivery instructions

given by Canada, the Contractor must reimburse Canada any additional expenses and costs incurred.

15.7 If Canada is responsible for delays in delivering the goods, ownership and risk will be transferred to Canada upon expiry of either thirty (30) days following the date on which a duly completed shipping application is received by Canada or by its appointed forwarding agent, or thirty (30) days following the delivery date specified in the Contract, whichever is later.

16. Shipping Instructions (DND) - Foreign-based Contractors (Optional Quantities)

16.1 Delivery will be FCA Free Carrier at the Contractor's Canadian facility or Contractor's Canadian distribution point, Incoterms 2000. The Contractor must load the goods onto the carrier designated by the Department of National Defence (DND). Onward shipment from the delivery point to the consignee will be Canada's responsibility.

16.2 Before shipping the goods, the Contractor must contact the following DND Inbound Logistics Coordination Center by facsimile or e-mail, to arrange for shipment, and provide the information detailed at paragraph 16.3.

(a) Insert the following when the Contractor is located in the United States (U.S.):

Inbound Logistics Coordination Center (ILCC):

Telephone: 1-877-447-7701 (toll free)

Facsimile: 1-877-877-7409 (toll free)

E-mail: ILHQOttawa@forces.gc.ca

OR

(b) Insert the following when the Contractor is located in United Kingdom (UK) and Ireland:

Inbound Logistics United Kingdom (ILUK):

Telephone: 011-44-1895-613023, or 011-44-1895-613024, or

Facsimile: 011-44-1895-613047

E-mail: CFSUEDetUKMovements@forces.gc.ca

In addition, the Contractor must send to ILUK the completed form "Shipping Advice and Export Certificate" by e-mail to:
CFSUEDetUKMovements@forces.gc.ca.

The shipment of any items above the value of 600 GBP (pound sterling) being exported from the United Kingdom and Ireland will be cleared by DND using Her Majesty's Customs & Excise (HMCE) New Export Systems (NES). The

Contractor must comply with HMCE requirements by registering with HMCE or by having a freight forwarder complete the entry. A printed copy of the NES entry Export Declaration clearly displaying the Declaration Unique Consignment Reference Number must be provided by the Contractor and attached to the consignment. The Contractor must ensure that this procedure is carried out for all stores whether they be initial purchase or repair and overhaul export items. HMCE will authorize Canadian Forces Support Unit (Europe) to ship the goods only if the procedure has been adhered to completely and properly by the Contractor.

OR

- (c) Insert the following when the Contractor is located in a country other than Canada, the U.S., the UK and Ireland:

Inbound Logistics Europe Area (ILEA):

Telephone: +49-(0)-2451-717199 or 717200

Facsimile: +49-(0)-2451-717189

Email: ILEA@forces.gc.ca

16.3 The Contractor must provide the following information to the DND Inbound Logistics contact when arranging for shipment:

- (a) the Contract number;
- (b) consignee address (if multiple addresses, items must be packaged and labeled separately with each consignee address);
- (c) description of each item;
- (d) the number of pieces and type of packaging (e.g. carton, crate, drum, skid);
- (e) actual weight and dimensions of each piece type, including gross weight;
- (f) copy of the commercial invoice (in accordance with clause C2608C, section 4, of the Standard Acquisition Clauses and Conditions Manual) or a copy of the Canada Border Services Agency form CII, Canada Customs Invoice;
- (g) Schedule B codes (for exports) and the Harmonized Tariff Schedule codes (for imports);
- (h) North American Free Trade Agreement Certificate of Origin (in accordance with clause C2608C, section 2) for the U.S. and Mexico only;
- (i) full details of dangerous material, as required for the applicable mode of transportation, signed certificates for dangerous material as required for shipment by the International Maritime Dangerous Goods Code, or International Air Transport Association regulations or the applicable Canadian Dangerous Goods Shipping Regulations and a copy of the material safety data sheet.

16.4 Following receipt of this information by Canada, Canada will provide the appropriate shipping instructions, which may include the requirement for specific consignee

address labelling, the marking of each piece with a Transportation Control Number and customs documentation.

- 16.5 The Contractor must not ship goods before receiving shipping instructions from the DND Inbound Logistics contact.
- 16.6 If the Contractor delivers the goods at a place and time that are not in accordance with the given delivery instructions or fail to fulfill reasonable delivery instructions given by Canada, the Contractor must reimburse Canada any additional expenses and costs incurred.
- 16.7 If Canada is responsible for delays in delivering the goods, ownership and risk will be transferred to Canada upon expiry of either thirty (30) days following the date on which a duly completed shipping application is received by Canada or by its appointed forwarding agent, or thirty (30) days following the delivery date specified in the Contract, whichever is later.

17. Release Documents - Distribution

The Contractor must prepare the release documents and distribute them as follows:

- (a) Copy 1: mail to consignee marked: "Attention: Receipts Officer";
- (b) Copies 2 and 3: with shipment (in a waterproof envelope) to the consignee;
- (c) Copy 4: to the Contracting Authority;
- (d) Copy 5: to:

National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A OK2

Attention: DLP 10-3-2-3

- (e) Copy 6: to the Quality Assurance Representative;
- (f) Copy 7: to the Contractor;
- (g) Copy 8: all non-Canadian Contractors 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.

18. Post-Contract Award Meeting/Pre-Production Meeting

Within ten (10) working days of the receipt of the Contract, the Contractor must contact the Technical Authority to determine the details of a pre-production meeting. The meeting will be held at the Contractor's plant _____ (specify location). Cost of holding such pre-production meeting must be included in the price of the bid. Please note that the travel and living expenses for Government Personnel will be arranged and paid for by the Canada.

19. Progress Reports

The contractor must prepare and submit monthly progress reports in two (2) copies, one to the DND Procurement Authority and one copy of the report must also be forwarded to the PWGSC Contracting Officer.

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.

20. 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.

21. Spare Parts Availability

The contractor must ensure that spare parts required to properly maintain and repair the complete vehicle covered by this specification will be available for purchase by the Department of National Defence, or its authorized agents, for a period of **10 years**.

22. Material

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

23. Design Changes

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

24. Interchangeability

Unless changes during the production run are authorized by Procurement 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.

25. 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.

26. 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.

ANNEX "A" - PRICING

Item 001 **Truck, Class 8 Heavy, Flat Deck with Crane (Firm Quantity)**

The Contractor must deliver the vehicle/equipment including the sample manuals, approved manuals, data summary, photographs, warranty letter(s), line setting ticket(s) and familiarization training in accordance with the attached Annex "B" - Purchase Description - Class 8 Heavy Trucks dated 24 May 2012.

The **Truck, Class 8 Heavy, Flat Deck with Crane** and related items must be delivered to:

CFB Valcartier (W0106)

Major Equipment Section

Bat. 188 (Pon Comb)

Garnison Valcartier

Courcelette, QC G0A 4Z0

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 related items, in accordance with Basis of Payment Type 1 (as detailed at Clause 6.1 Basis of Payment).

Quantity: **one (1)**

Item 002 **Truck, Class 8 Heavy, Flat Deck with Crane (Optional Quantity)**

If this option is exercised, the Contractor must deliver the vehicle/equipment including approved manuals, warranty letter(s) and line setting tickets(s) in accordance with the attached Annex "B" - Purchase Description - Class 8 Heavy Trucks dated 24 May 2012.

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment Type 2 (as detailed at Clause 6.1 Basis of Payment).

Quantity: **Up to three (3)**

Item 003 Familiarization Training (Option for Optional Quantities)

If this option is exercised, the Contractor must provide up to (3) familiarization training sessions, in accordance with the attached Annex "B" - Purchase Description - Class 8 Heavy Trucks dated 24 May 2012.

Firm unit price of \$_____ in accordance with Basis of Payment Type 2 (as detailed at Clause 6.1 Basis of Payment).

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.

All travel and living expenses incurred in the performance of the work outside Canada will be the Contractor's responsibility.

Item 004 Optional Extended Warranty Period

Optional warranty coverage available: YES _____ NO _____

If yes, Canada requests that the Bidder provide details and pricing information of any optional extended warranty period available for the vehicle/equipment and any related items.

(This item will not be included in the financial evaluation)

If exercised, the warranty period will be extended for an additional period of _____ months/calendar days.

Firm unit price of \$_____ Basis of Payment Type 2 (as detailed in Part 6)

Annex "B"

PURCHASE DESCRIPTION

FOR

CLASS 8 HEAVY TRUCKS

1. SCOPE.

1.1 Scope - This Purchase Description describes the requirements for a Class 8 truck 6x4 configuration equipped with a 20 foot flat deck with removable stake sides and a 10 ton crane system. Details of the requirements for equipment packages to be integrated on the truck are included in this document.

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) Where a standard or specification is required and the bidder offers an equivalent, that equivalent standard shall be provided upon demand;
- (h) Where equipment certification to an SAE standard is required, the bidder shall provide the certification upon request;
- (i) Metric measurements shall be used to define the requirement. Other measurements are for reference only and may not be exact conversions; and
- (j) 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.

1.2.1 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; and
- (c) "Proof of Compliance" - A document such as a brochure, a third party test report, a report generated by third party software, or a certificate of attestation signed by a senior representative of the Original Equipment Manufacturer (such as a certified engineer) indicating the performance and/or feature specified.
- (d) The term "Quality Assurance Representative" is defined as the government officer responsible for ensuring that the contractor quality system, material and services supplied meet the contract requirement;
- (e) "Guidance" is defined as a requirement that may be followed. The guidance is provided to indicate a preferred component Make and Model or dimension that would be best for the application. However, deviating from a guidance doesn't consider the bid non-compliant;
- (f) "Vehicle" is defined as a Class 8 Diesel Truck with flat deck body and a crane system, with the configuration as described in this Purchase Description; and
- (g) "Curb Weight" is the empty weight (no payload included) of a fully equipped truck. Curb weight shall include the cab and chassis, all attached devices, equipment, and full fuel tanks, lubricants, and coolants.

1.3 **Configuration Capability Table** - The following table details the minimum design requirements, which shall be met.

TABLE 1 - 10 TON FLAT DECK TRUCK, 6x4, DUAL WHEELS				
	GVWR	GAWR FRONT	GAWR REAR	TOWED LOAD
WEIGHT RATINGS KG (lbs)	25,855 (57,000)	8,165 (18,000)	17,690 (39,000)	9,072 (20,000)
VEHICLE TOP SPEED	105 km/h (65 mph)			
VEHICLE GRADEABILITY	32 Percent at 6.4 km/h (4 mph)			
FRAME RBM (Pounds-inch)	3,700,000			
NOMINAL TANDEM SPACING	54 in. (1.37 m)			
ENGINE POWER	400 hp (298 kW)			
FUEL RESERVOIR CAPACITY	378 Liters (100 US gallons)			

2. **APPLICABLE DOCUMENTS**

2.1 **NOT ALLOCATED** - (Government Furnished Documents)

2.2 **Other Publications** - The following documents form part of this Purchase Description. Effective dates shall be those in effect upon the date of manufacture. Sources are as shown:

Transport Canada Consolidation of the Motor Vehicle Safety Act and Motor Vehicle Safety Regulations (MVSR) and all applicable revisions TP4360E

Canadian Communication Group - Publishing
Ottawa, Canada, K1A 0S9

SAE Handbook

Society of Automotive Engineers Inc.,
400 Commonwealth Drive, Warrendale, PA, 15096

Year Book

Tire and Rim Association Inc.,
3200 West Market Street, Akron, Ohio, 44313

3. **CHASSIS REQUIREMENTS**

3.1 **Standard Design** - The vehicle design shall:

- (a) **Latest Model** - Be the manufacturer's latest model;
- (b) **Industry Acceptability** - Have demonstrated industry acceptability by having been manufactured and sold commercially; or, objective evidence of the vehicle/equipment's capability to satisfy performance requirements shall be provided with the proposal;

- (c) **Engineering Certification** - 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;
 - (d) **Regulations** - Conform to all applicable laws, regulations and industry standards governing manufacture, safety, noise levels and pollution in effect in Canada at time of manufacture;
 - (e) **Published Ratings** - Not have system and component capacities increased above published ratings (i.e. product or component brochures); and
 - (f) **Standard Components** - Include all components, equipment and accessories normally supplied for the model offered, although they may not be specifically described in this Purchase Description.
- 3.2 Operating Conditions** - Vehicles of specified GVWR/GCWR, **shall** operate safely and efficiently in year round conditions, including:
- (a) On and off-road with severe washboard, potholes, steep grades and switchbacks with terrain including mud, snow, and ice; and
 - (b) In the temperature range of -40°C to 37°C (-40°F to 98°F).
- 3.3 Vehicle Safety Regulations** - The vehicle **shall** meet the provisions of the Canada Motor Vehicle Safety Act in effect upon the date of manufacture of the vehicle. The completed vehicle **shall** have Safety Compliance Certification Label with a **National Safety Mark (NSM)**, as a seal of compliance. The contractor **shall** submit on request, the variant equipment integrator NSM certification number as a proof of registration with Transport Canada as a final stage manufacturer for the applicable variant equipment.
- 3.4 Performance** - The vehicle **shall** have the following minimum performance capabilities:
- (a) Top geared road speed, identified as "VEHICLE TOP SPEED" in the **CONFIGURATION CAPABILITY TABLE**;
 - (b) Vehicle gradeability, identified as "VEHICLE GRADEABILITY" in the **CONFIGURATION CAPABILITY TABLE**; and
 - (c) The Contractor **shall** provide a computer generated vehicle performance prediction analysis with the Technical Information Questionnaire. Analysis **shall** be performed in conformance with SAE J2188 and using the power train specified and a fully loaded vehicle. A fully loaded vehicle is a vehicle having a Gross Vehicle Weight Rating identified as "GVWR" in the **CONFIGURATION CAPABILITY TABLE**.
- 3.5 Ratings & Weights** - The following minimum ratings and weights **shall** be provided:
- (a) Weight ratings, identified as "GVWR", "GAWR FRONT" and "GAWR REAR" in the **CONFIGURATION CAPABILITY TABLE**; and
 - (b) Curb weight for the complete vehicle.
- 3.6 Dimensions** - The following nominal dimensions **shall** be provided:

- (a) A minimum tandem axle spacing dimension, identified as "**TANDEM SPACING**" in the **CONFIGURATION CAPABILITY TABLE**;
- (b) The contractor shall provide the wheelbase (WB), as requested in the Technical Information Questionnaire, and
- (c) Length, width, and overall height for complete vehicle.

3.7 VEHICLE REQUIREMENTS

3.7.1 Engine - The engine provided shall:

- (a) Be diesel powered;
- (b) Be turbocharged;
- (c) Be electronically controlled with a speed limiter that can be changed by the dealer; and
- (d) Have a minimum power rating identified as "**ENGINE POWER**" in the **CONFIGURATION CAPABILITY TABLE**.

3.7.2 Engine Components - The engine shall^(E) include:

- (a) A replaceable air filter;
- (b) A cooling system that includes a fan shroud and thermostatically controlled fan;
- (c) An internal engine compression brake system; and
- (d) Spin-off replaceable oil and fuel filters.

3.7.3 Exhaust System - The vehicle shall^(E) be equipped with an exhaust system including a vertical stack fitted with an exhaust elbow;

3.7.4 Fuel System - The vehicle shall be equipped with:

- (a) A fuel reservoir system that is mounted on heavy-duty support brackets. The reservoir shall have a minimum capacity identified as "**FUEL RESERVOIR CAPACITY**" in the **CONFIGURATION CAPABILITY TABLE**.
- (b) A fuel filter and water separator;
- (c) A self-regulating, thermostatically controlled in-line fuel heater to warm the fuel before it enters the fuel filter(s) and to maintain the fuel temperatures above the waxing/gelling point during cold weather operation;

Note: The following fuel heater is provided as guidance - Fuel Pro.

3.7.5 Cold Weather Starting Aids - The vehicle shall be equipped with:

- (a) **Fuel Fired Preheat System** - The preheat system shall preheat the vehicle by heating the engine coolant. The system shall:
 - i. Consist of all components required for the preheating of engine coolant and insulated cab and include a 7 day timer and control system, and all fittings, hoses and controls required

for the efficient operation of the system;

ii. Operate independently or while the engine is operating. Fuel **shall** be drawn from the engine fuel tank;

iii. Operate on all diesel formulations suitable for installed engine; and

iv. Operate without requirement for power from outside vehicle.

(b) A 120-volt AC block heater of a wattage recommended by the engine manufacturer;

(c) A 120-volt oil pre-heater; and

(d) An attachable winter front.

3.7.6 Automatic Transmission - The vehicle **shall** be equipped with an electronically controlled fully automatic transmission that is compatible with the engine provided. The transmission **shall**^(E) have six (6) forward gears and one (1) reverse gear. The transmission system **shall**^(E) include:

(a) A transmission oil cooler and oil filter;

(b) Dash mounted push-button electronic shift control; and

(c) Be equipped with auto neutral for fast idle. The high idle control **shall** be connected so as not to allow the high idle to engage when the transmission is in gear and the parking brake is applied.

3.7.7 Steering - The vehicle **shall** be equipped with a power assisted steering system with a telescopic/tilt steering column.

3.7.8 Brakes - The brakes system **shall** be a full air actuated service brake system and spring actuated parking brake system that comply with Motor Vehicle Safety Regulation (MVSr) 121.1 of the Canadian Motor Vehicle Safety Standard (CMVSS). The configuration/location of the air tank(s) **shall** be confirmed with the equipment variant supplier to ensure that no interference will exist between the tank(s) and the equipment variant. The brake system **shall**:

(a) Include at least a 4-channel anti-lock (ABS) brake system;

(b) Be S-cam type air brakes with automatic slack adjusters on all wheels;

(c) Include a minimum 0.51 cubic metre per minute (18 cfm) air compressor;

(d) Include a wet air reservoir capable of being recharged using a quick disconnect fitting for charging air system. The air tank **shall**^(E) be equipped with pull type drain connected with cable and could be reached from outside of the vehicle;

(e) Include an automatic air dryer. The Bendix Model AD 9 is provided as guidance;

(f) Be equipped with heated automatic moisture expelling valve(s);

(g) Include brake housing dust shields and visual brake stroke indicators on all wheels; and

(h) Include emergency brake chambers on any rear axle(s).

3.7.9 Wheels and Tires - The vehicle shall be equipped with steel-belted, tubeless radial tires. The tires shall be mounted on hub pilot disc wheels that are balanced to preclude wheel shimmy at all vehicle speeds. The tires and rims shall have a load rating in accordance with the "GAWR" as stated in the **CONFIGURATION CAPABILITY TABLE**.

(a) The vehicle shall be equipped with mud/snow tires on all axles;

(b) A full size matching spare tire assembly shall be provided and mounted in an appropriate location on the vehicle; and

(c) Tire changing tools including a heavy-duty jack capable of lifting any corner of the loaded vehicle shall be provided.

3.7.10 Axles - The vehicle shall be equipped with Manufacturer's Standard I-Beam front axle and single speed tandem rear drive axles. The following axle configuration and equipment shall be provided:

(a) A set-back front axle; and

(b) Driver controlled differential locks on both rear axles.

3.7.11 Suspension - The vehicle shall^(E) be equipped with:

(a) Leaf spring suspension on the front and rear axles. The rear suspension shall^(E) be equipped with a stabilizer bar; and

(b) Double acting shock absorbers on all axles;

3.7.12 Frame - The vehicle frame rails shall:

(a) Be reinforced and constructed of at least 120,000 psi High Strength Steel and a RBM as identified as "FRAME RBM", as detailed in the **CONFIGURATION CAPABILITY TABLE**.

(b) Have two tow hooks mounted at the front of the vehicle and two at the rear. Hooks and mountings of sufficient strength to permit the recovery of the vehicle;

3.7.13 Extended Day Cab - The vehicle shall be equipped with an extended day-cab. The extended cab shall have space behind the driver and passenger seat for additional storage. The cab shall^(E) be equipped with:

(a) A cab air-suspension system;

(b) Standard steps on both driver and passenger side;

(c) Vinyl high-back air-suspended bucket type driver and co-driver seats with lumbar support and fold-up armrests. The seats shall:

i. Be six-way adjustable

- ii. Be operated by the use of push buttons and the air supplied from the vehicle air system
 - iii. Be equipped with retractable 3-point seat belt assembly; and
 - iv. Provide space to easily access the rear storage in the extended cab.
- (d) A rear visibility window;
 - (e) Dark Upholstery;
 - (f) Two (2) accessible cup holders;
 - (g) Auxiliary 12 volt power outlets for GPS or cell-phone charger;
 - (h) Coat Hooks;
 - (i) Removable waterproof mats for easy cleaning;
 - (j) Premium insulation in the cab including the floor(s);
 - (k) Two rotating and pivoting interior sun visors;
 - (l) Tinted glass to reduce solar heating effects;
 - (m) A factory installed air conditioning system with an environmentally friendly refrigerant such as R134A;
 - (n) Two aerodynamic, heavy-duty, heated, motorized, rear view mirrors. Each mirror shall^(E) include a convex section. Mirror glass shall be replaceable, adjustable from inside the cab and include a heating element;
 - (o) A visibility window in the front lower portion of the right hand door of the cab OR a look-down mirror mounted at the top of the right hand door of the cab;
 - (p) Electrically powered windows and locks in both doors;
 - (q) An AM/FM radio with CD player and auxiliary/USB input;
 - (r) One air horn. If the air horn is mounted on the roof, snow shields shall be provided; and
 - (s) A stone and bug deflector mounted on the front hood.

3.7.14 Controls and Instruments - The vehicle shall be equipped with:

- (a) Intermittent windshield wipers with electric washer sprayer;
- (b) Cruise control system with a fast idle feature;
- (c) Speedometer and odometer with metric units and tachometer and engine hour meter;
- (d) Fuel Gauge;
- (e) DEF level indicator (if DEF is used);

- (f) Coolant temperature gauge with a high coolant temperature indicator;
- (g) Transmission temperature gauge with a high transmission temperature indicator;
- (h) Oil pressure gauge with a low engine oil pressure indicator;
- (i) Voltmeter or ammeter;
- (j) Low air pressure indicator;
- (k) Back up alarm with an audible signal when the vehicle is in reverse; and
- (l) Rear differentials lock controls and indicator;

3.7.15 Electrical System - The vehicle shall be equipped with LED lights. The manufacturer's standard electrical system shall include:

- (a) Halogen headlights;
- (b) LED Clearance lights, stop lights and turn signals that comply with the Highway Traffic Regulations;
- (c) Fog lights either inset in the bumper or mounted below the bumper;
- (d) Two rear-facing working lights with the switch mounted in the dash. The lights shall^(E) be mounted on each side of the bulkhead and illuminate the flatdeck working area;
- (e) Two amber-coloured LED strobe lights with the switch mounted in the dash. The lights shall^(E) be mounted on top of the bulkhead rack for maximum visibility;
- (f) All circuits protected from overload;
- (g) Insulating grommets where wiring passes through metal; and
- (h) A master disconnect switch for the electrical system.

3.7.16 Alternator - The vehicle's alternator shall have an output of at least 200 Amperes.

3.7.17 Batteries - The vehicle shall be supplied with maintenance free batteries which shall have a minimum rating of 2500 CCA.

3.7.18 AC Inverter - The vehicle shall be equipped with an inverter to convert power from the truck's batteries to 120V AC. The main purpose of this unit is to provide power for hand tools, lights and auxiliary equipment. The inverter shall:

- (a) Be capable of supplying 2500 Watts continuous power, with a surge capacity of at least 3500 Watts;
- (b) Have at least two AC outlets in an accessible location. At least one outlet on the exterior of the vehicle and one on the interior;

- (c) Be protected from overload by an isolation switch and fuses or circuit-breakers;
- (d) Have a low-voltage indicator/alarm and shutdown feature to prevent draining the vehicle batteries;
- (e) Be mounted in a manner that will ensure protection from normal road and vehicle vibrations; and
- (f) Be connected to the main batteries using heavy-gauge cable.

3.7.19 Lubricants, Hydraulic Fluids and Fittings - The vehicle **shall**^(E):

- (a) Be serviced with manufacturer's standard lubricants and hydraulic fluids compatible with delivery location and season;
- (b) Operate satisfactorily on Canadian Forces Supply Line lubricants which includes 15W40, 85W140, DEXRON III or synthetic equivalents; and
- (c) Have lubrication fittings conforming to requirements of SAE J534.

3.7.20 Pintle Hook and Trailer Control - The vehicle **shall** have a duplex pintle hook including a provision for electric trailer brakes. The trailer brake control **shall**^(E) be mounted at the operator's station on or near the steering column. The tow package **shall** have the following features:

- (a) **Capacity** - The pintle hook **shall** withstand a minimum of 2,721 kg (6,000 lbs) vertical load and 13,607 kg (20,000 lbs) Gross Trailer Weight. The safety chain towing shackles **shall** have drawbar pull capacity of at least 4,563 kg (10,000 lbs) and installed on both sides of the pintle hook;

Note: The following pintle hook Make and Model is provided as guidance - Holland PH 30RP.

- (b) **Height** - The pintle hook center **shall** have a nominal height of 76.2 cm (30 in);
- (c) **Connector** - A seven-pin trailer connector with ABS, with a protective cover when not in use;

Note: The following connector Make and Model is provided as guidance - Pollak #12-707.

- (d) **Warning Plate** - A bilingual warning plate indicating pintle hook load limitation **shall** be visibly mounted near the pintle hook;
- (e) **Mounting Plate** - In case a plate is required for pintle hook installation, the plate **shall** be fabricated using high strength steel. Stress analysis **shall** be conducted to confirm the ability of the plate to withstand the maximum towed load requirement. The result of the analysis **shall** be forwarded to the Technical Authority for approval. A line drawing for the plate design **shall**^(E) be provided detailing the location of the following components:

1. The rear license plate;

2. LED license plate light and guard;
3. Tow shackles; and
4. Seven-pin trailer connector with ABS;

NOTE: The following pintle hook plate line drawing is provided as guidance:

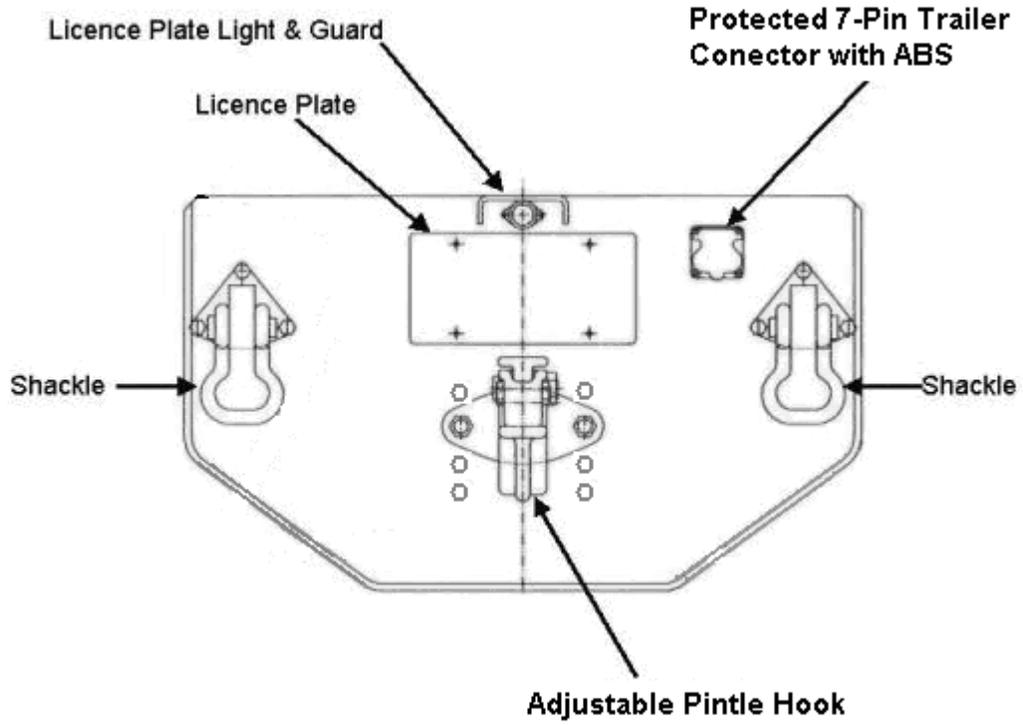


Figure 1 *Pintle Hook Plate*

- 4 **BODY** - The vehicle shall be equipped with a stake-sided flat-deck body and a boom style crane mounted at the rear of the vehicle.
- 4.1 **Crane System** - The vehicle shall be equipped with a 9,072 kg (10 ton) crane mounted at the rear of the vehicle behind the flat-deck. The truck mounted crane shall conform to all applicable SAE (including stability test under SAE765), ANSI & OSHA requirements and regulations. Results of stability test shall be provided on request.
- 4.1.1 **Capability** - The crane system shall be capable of 360 degree full operation at an 85 percent stability factor.
- 4.1.2 **Application Equipment** - Equipment/features below shall be provided as a minimum:
- (a) **Boom** - A three-section hydraulically telescoping boom. The boom shall:
- i. Have a nominal extended length of 14 metres (46 feet) at an operating radius of 1.52 metres (5 feet);
 - ii. Be capable of lifting a maximum load of 9,072 kg (10 ton);
 - iii. Be capable of lifting 3175 kg (7000 lb) at an operating radius of 4.57 m (15 ft) from the axis of rotation through the full 360 degree range; and
 - iv. Have a mechanical boom angle indicator (applicable to telescopic cranes only).
- (b) **Outriggers** - The crane shall be equipped with at least four hydraulically operated outriggers to permit full 360 degree operation.
- i. The outriggers shall^(E) be capable of supporting the vehicle with all wheels unloaded during full operation.
 - ii. The outriggers shall hold the required position and not require repositioning during operations.
 - iii. An Outrigger Monitoring System shall^(E) be provided to prevent operation of the crane without outriggers deployed;
- (c) **Load Spreader Plates** - Outrigger load spreader plates for each outrigger pad. The spreader plates shall^(E) spread each outrigger load over an area 1.22 m (4 feet) square. Spreader plate storage compartments shall^(E) be provided in a convenient location on both sides of the vehicle for quick and efficient access;
- (d) **Main Hoist** - The main hoist shall:
- i. Be in accordance with PCSA Standards;
 - ii. Include sufficient wire cable to safely lower the maximum loads below ground level at least 3 metres (10 feet); and
 - iii. Have a power up and down capability with an automatic brake mechanism and hoist rotation indicator.

- (e) **Capacity Charts** - Load capacity charts indicating maximum safe loads in both metric and imperial units. Charts **shall**:
 - i. Be manufacturer's standard ratings for this crane indicating safe operating load capacities; and
 - ii. Have one copy mounted in a conspicuous location near the crane operator.
- (f) **Non-Skid Walking Surfaces** - All walking surfaces covered with a coarse non-skid coating for operator safety;
- (g) **Debris Protection** - The vehicle **shall** have important components such as the swing motor, control valves, and display equipment protected from road debris and accumulation of snow, ice, branches and debris; and
- (h) **Boom Rest** - The vehicle **shall** have a boom rest.

4.1.3 Craning Control - Crane controls **shall** be located within crane operator's reach. As a minimum, the crane controls **shall** include:

- (a) All controls and indicators for safe crane operation including controls for the boom, hoist, telescoping, outriggers and turntable;
- (b) An anti two-block device; and
- (c) A Load Moment Indicator (LMI). The LMI **shall** include all functions to maintain safe operating conditions. Operator intervention to maintain safe operating conditions **shall** not be required. It is preferred to have a variable intensity back-lit LCD display.

4.1.4 An articulated crane mounted at the rear of the vehicle behind the flat deck is acceptable. Equipment features **shall** meet the requirements indicated in paragraphs 4.1, 4.11, 4.1.2 & 4.1.3 but for an articulated crane.

4.2 Stake-Sided Flat-Deck

4.2.1 Loading - The flat deck body **shall** be capable of being loaded from the sides or top. The deck **shall** be of sufficient strength to accommodate loading from the boom or a 2722 kg (6000 lb) forklift.

4.2.2 Dimensions - The flat deck **shall** have the following dimensions:

- (a) Nominal Length - 6.1 m (20 feet);
- (b) Maximum Width - 2.59 m (102 inches);

4.2.3 Structure - The flat deck support structure **shall**^(E):

- (a) Have structural channel steel main frame rails, 127 by 48 mm (5 by 1-7/8 inches);
- (b) Be supported by 101.6 mm (4 inch) "I"-beam or "C"-channel type crossmembers on a maximum of 305 mm (12 inch) centres. Each crossmember

shall^(E) have one support gusset welded to the main frame rails. The rear 1.83 m (6 feet) shall^(E) have cross-members spaced on 203 mm (8 inch) centres to accommodate the initial forklift axle load when loading;

- (c) Have a braced rear protective frame (ICC bumper) constructed of at least 76 mm (3 inches) channel steel; and
- (d) Be mounted using a full-length hardwood spacer.

4.2.4 Bulkhead Rack- The bulkhead shall^(E) have the following features:

- (a) Be a permanently mounted bulkhead rack constructed using 76 mm (3 inches) steel channel frame braced to the platform, covered with 12 gauge steel and H.D. expanded metal mesh;
- (b) A window opening aligned with the rear cab window. The opening shall^(E) be protected by mesh or bars without eliminating rear visibility;
- (c) Two evenly spaced 2275 kg (5000 lbs) capacity, recessed tie-down rings, bolted to the bulkhead 610 mm (24 inches) high, and as close as possible to the exterior sides; and

4.2.5 Deck Floor - The deck floor shall be capable of sustaining a 9,072 kg (20,000 lbs) load. The floor shall:

- (a) Have finished thickness of at least 35.9 mm (1-3/8 inches) of seasoned or kiln-dried hardwood with a tongue and groove or ship-lapped construction;
- (b) Have four winch binder sliding tracks on the curb side of the deck complete with at least six (6) ratchet type sliding winch binders and 10.2 cm (4 inch) cargo straps;
- (c) Have two rows of six evenly spaced 2275 kg (5000 lbs) capacity, recessed (flush mounted), tie-down rings. The rings shall be "D" shaped with drain holes, bolted to the floor and positioned as close as possible to the sides of the body; and
- (d) Have reinforced mounting locations for the removable stake sides.

4.2.6 Removable Stake Sides - The flatdeck shall be enclosable by removable stake sides. The sides shall^(E):

- (a) Have side racks held using removable extruded aluminium sections 5 by 10 cm (2 by 4 inches). The stake side height shall^(E) be 91.4 cm (36 in);
- (b) Have side racks constructed of spaced panels of solid hardwood boards with a thickness of at least 15-mm (5/8-inch);
- (c) Have heavy-duty hooks and eyes for joining adjacent racks;
- (d) Stake side racks shall be removable and shall be firmly securable to avoid accidental release or movement while in transit;

4.3 **Holes** - Frame and body holes shall be drilled before painting in stanchion locations to prevent water and dirt accumulation, causing premature metal damage/rust.

4.4 **Miscellaneous Features** - The following shall be provided for the vehicle:

- (a) **License Plate Mounting** - Front and rear license plate mounting provision. The license plates shall be illuminated.;
- (b) **Mud Flaps** - Front and rear mud flaps. The rear mud flaps shall^(E) be mounted on angle type spring loaded hangers;
- (c) **Body Lights** - LED exterior body lights including markers, backup lights, turn signals, and brake lights;
- (d) **Storage Compartments** - Two large metal weatherproof storage compartments located in a Technical Authority approved location as agreed at the Pre-Production Meeting. Both compartments shall be as large as possible and shall^(E):
 - i. Be capable of holding at least 300 lbs;
 - ii. Have provision for drainage;
 - iii. Have the interior walls and floor sprayed with an impact and noise protective coating, and the floor lined with removable tough perforated vinyl matting; and
 - iv. Have upward opening doors, a holding open device and a lockable slam latch handle.
- (f) **Conspicuity Tape** - Strips of reflective Conspicuity Tape in accordance with DOT Canada regulations. The Tape shall^(E) be installed horizontally along the frame on each side and across the rear bumper.
- (g) **Dangerous Goods Holders** - Four aluminum "Dangerous Goods" placard holders. The holders shall^(E) be supplied as follows:
 - i. One each side of the body, centred front to rear, near the bottom;
 - ii. One at the rear, lower curb side corner; and
 - iii. One at the front, preferably on the vehicle front bumper.

5 EXTERIOR

5.1 Paint Procedure

- (a) **Manufacturer's Painting Method** - Paint applied on cab and chassis and variant systems shall be in accordance with the paint manufacturer's recommendations and the manufacturer's best production procedures, rendering a durable finish and a smooth appearance, free from runs, sags and orange peel; and
- (b) **Phosphate Treatment** - A phosphate treatment plus primer or an E-coat system shall^(E) be applied on cab and chassis and variant systems on

all ferrous metals, followed by a minimum of one coat of paint and a clear coat.

5.2 Paint Colour - The vehicle **shall** be painted commercial **White**. The chassis components may be painted the manufacturer's standard colour.

5.3 Corrosion Protection - The following **shall** be applied to the vehicle:

(a) **Rust Proofing** - Aftermarket rust proofing provided in addition to standard factory rust proofing. The treatment will normally be applied within the first year of service. 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) **Rust Preventative** - All metal surfaces treated with a rust preventative 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) **Salt Spray Endurance Test** - Written proof of a twelve hour ASTM B117 salt spray endurance test certification by an independent test laboratory. Krown Rust Kontrol and Rust Check products have been previously certified, proof not required.

(d) **Application Areas** - 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;

(e) **Warranty Documentation** - A decal and warranty papers accompanying each vehicle; and

(f) **Availability** - The corrosion protection system **shall** be widely available across Canada or available through mobile services.

Note: the following corrosion protection systems are provided as guidance: Krown Rust Kontrol or Rust Check products.

5.4 Corrosion Resistant Materials - The vehicle **shall**^(E):

(a) Be manufactured with stainless steel, zinc plated or hot dipped galvanized aluminium rivets, and plastic black oxide brass fasteners; and

(b) Be designed to prevent galvanic corrosion.

- 5.5 **Identification** - The following information **shall** be permanently affixed in a conspicuous and protected location:
- (a) The manufacturer's name, model number, serial number and model year;
AND
 - (b) The GVWR, GCWR and GAWR ratings (as applicable).
- 5.6 **Warning and Instruction Plates** - The vehicle **shall**^(E) be equipped with warning and equipment operation instruction plates that are in accordance SAE J115. The Plates **shall** be within easy view of the operator, be bilingual (English and French) and/or make use of graphic symbols, as much as possible, as defined in SAE J1362.
6. **DELIVERABLE INFORMATION**
- 6.1 **Deliverable Information** - The Contractor **shall** provide the Deliverable Information in accordance with the terms of the contract.
- 6.2 **Equipment Manuals** - The following manuals **shall** be provided:
- (a) **Operator's/Owner's Manuals** - Operator's manuals **shall** be furnished in a bilingual format or as 2 manuals in a single binder (one English, one French). **A hard copy of the Operator's manual shall be delivered with each vehicle;**
 - (b) **Parts Manuals** - The Parts Manuals **shall** be in English (French translation is desirable);
 - (c) **Maintenance (Shop Repair) Manuals** - The Maintenance (Shop Repair) Manual **shall** be in English (French translation is desirable);
 - (d) **CD/DVD-ROM** - Manuals on CD/DVD-ROM or on-line will be acceptable. The Operators manuals **shall** be provided as detailed in paragraph 6.2 (a);
 - (e) **Sample Manuals** - A set of Sample Manuals, including all of the above manuals. The sample manuals **shall** be delivered to the Technical Authority 15 working days before delivery of vehicles. Sample manuals will not be returned. The Technical Authority will provide manual approval or comments within 30 days;
- 6.3 **Data Summary** - The Contractor **shall** provide a bilingual English/French Data Summary to the Technical Authority for each complete vehicle make/model furnished. The Contractor **shall** complete Data Summary by filling in the required data and an electronic picture into a Data Summary template provided by the Technical Authority;
- 6.4 **Photographs** - The contractor **shall** provide the Technical Authority with two (2) digital pictures for each complete vehicle, one of the left front three-quarter view, and one of the right rear three-quarter view. All pictures **shall** be taken with a clear uncluttered background. The picture size **shall** be at least 4 Mega pixels;
- 6.5 **Warranty Letter** - The contractor **shall** provide a copy of the completed bilingual English/French Warranty Letter with each vehicle shipped in the format approved by the Technical Authority. The Contractor **shall** send a copy of the completed Warranty Notification Letter to the Technical Authority for each vehicle shipped, at shipment. A copy of

the Warranty Letter shall be forwarded to the Technical Authority in electronic format;

- 6.6 Line Setting Ticket** - The Contractor shall provide a Line Setting Ticket, or equivalent, describing the components provided on the cab and chassis. One copy of the Line Setting Ticket shall accompany each completed vehicle to the final delivery point. The Contractor shall produce a Supplement listing for all Non-Production Line components and systems included in the Contract/Call-up. The Supplement shall indicate the name of the component or system and the company (name and address) where it is to be installed on the cab and chassis. One copy of the Line Setting Ticket and one copy of the Supplement shall be forwarded to the Technical Authority as soon as they are available.
- 6.7 Familiarization** - A Contractor representative shall provide a minimum of three hours of Operator familiarization training to a maximum of eight persons and a minimum of three hours of Maintainer familiarization training to a maximum of eight persons. A proof of familiarization instruction completion shall be provided through a Familiarization Instruction Completion Form. The Form shall be completed and signed by an authorized representative. The form shall accompany the payment invoice. Familiarization instructions shall be available in both official languages for destinations in the Province of Quebec or as requested by the Technical Authority. The Technical Authority will provide Familiarization Instruction Completion Form template.
- 6.8 Deliverables for Optional Units** - Units supplied as options from the main contract shall be supplied with the following deliverable information:
- (a) Equipment Manuals as described in **6.2 Equipment Manuals**, with the exception of **6.2(e) Sample Manuals**. Sample manuals shall not be provided for optional units;
 - (b) Warranty Letter as described in **6.5 Warranty Letter**;
 - (c) Line Setting Ticket as described in **6.6 Line Setting Ticket**.

7. QUALITY ASSURANCE PROVISIONS

- 7.1 Quality System Requirements** - The Quality System shall be guided by the requirements of ISO 9001:2008. The contractor shall be responsible for the Quality System. The Quality Assurance Representative (QAR) will assure that the contractor is providing a Quality System.

APPENDIX - 1

TECHNICAL INFORMATION QUESTIONNAIRE

DETACH, COMPLETE, AND RETURN

1. **SCOPE**- This Questionnaire covers technical information to be supplied by a contractor. This information is required by the Technical Authority for technical assessment of equipment offered. If a paragraph item does not apply to the Configuration, insert NA in response.

NOTE: IT IS THE CONTRACTORS RESPONSIBILITY TO CLARIFY OUTSTANDING TECHNICAL ISSUES, BY WRITTEN REQUEST, TO THE CONTRACTING OFFICER PRIOR TO BID SUBMISSION.

PURCHASE DESCRIPTION PARAGRAPHS1.3 CONFIGURATION CAPABILITY TABLE

TABLE 1 - 10 TON FLAT DECK TRUCK, 6x4, DUAL WHEELS					
	GVWR	GAWR FRONT	GAWR REAR	PAYLOAD	TOWED LOAD
WEIGHT RATINGS KG (lbs)					
VEHICLE TOP SPEED					
VEHICLE GRADEABILITY					
FRAME RBM (Pounds-inch)					
Nominal TANDEM SPACING					
ENGINE POWER					
FUEL RESERVOIR CAPACITY					

3. **CHASSIS REQUIREMENTS** - Complete with required information and return with bid package.

PARAGRAPH #	DESCRIPTION	RESPONSE (Check box)	
		Yes	No
3.1	<u>Standard Design</u> - Complies?	Y:	N:
a)	Chassis Make and Model:		
3.2	<u>Operating Conditions</u> - Complies?	Y:	N:
3.3	<u>Vehicle Safety Regulations</u> - Complies?	Y:	N:
3.4	<u>Performance</u> - Complies?	Y:	N:
c)	Computer Generated vehicle performance prediction included?		
3.5	<u>Ratings & Weights</u> - Complies?	Y:	N:
3.6	<u>Dimensions</u> - Complies?	Y:	N:
	Wheelbase:		
3.7	<u>Vehicle Requirements</u>		
3.7.1	<u>Engine</u> - Complies?	Y:	N:
	Engine Make/Model:		
3.7.2	<u>Engine Components</u> - Complies?	Y:	N:
3.7.3	<u>Exhaust System</u> - Complies?	Y:	N:
3.7.4	<u>Fuel System</u> - Complies?	Y:	N:
3.7.5	<u>Cold Weather Starting Aids</u> - Complies?	Y:	N:
a)	Preheat System Make/Model:		
b)	Cold Weather Starting System:		
3.7.6	<u>Automatic Transmission</u> - Complies?	Y:	N:
	Make/Model:		
	Number of Forward Speeds:		
3.7.7	<u>Steering</u> - Complies?	Y:	N:

3.7.8	<u>Brakes</u> - Complies?	Y:	N:
	Front Brakes Make/Model:		
	Rear Brakes Make/Model:		
3.7.9	<u>Wheels and Tires</u> - Complies?	Y:	N:
Front Tires	Make/Model:		
	Size:		
	Rated Capacity (per tire):		
Rear Tires	Make/Model:		
	Size:		
	Rated Capacity (per tire):		
3.7.10	<u>Axles</u> - Complies?	Y:	N:
(a)	<u>Setback Front Axle</u> - BA dimension:		
	Make/Model:		
	Rated Capacity:		
	<u>Tandem Rear Drive Axle</u> - Complies?	Y:	N:
	Make/Model:		
	Rated Capacity:		
	Reduction Ratio:		
b)	Differential Locks - Complies?	Y:	N:
3.7.11	<u>Suspension</u> - Complies?	Y:	N:
Front Suspension	Make/Model:		
	Rated Capacity:		
Rear Suspension	Make/Model:		
	Rated Capacity:		
3.7.12	<u>Frame</u> - Complies?	Y:	N:

(b)	Tow Hooks - Complies?	Y:	N:
	Steel Yield Strength (psi):		
3.7.13	<u>Extended Day Cab</u> - Complies?	Y:	N:
(b)	Seats - Comply?	Y:	N:
(m)	Mirrors - Complies?	Y:	N:
(n)	Visibility Window / Look-Down Mirror - Complies?	Y:	N:
3.7.14	<u>Controls and Instruments</u> - Comply?	Y:	N:
(l)	Differential Lock - Complies?	Y:	N:
3.7.15	<u>Electrical System</u> - Complies?	Y:	N:
a,b,c	Headlights and signals - Comply?	Y:	N:
(d)	Working lights - Comply?	Y:	N:
(e)	Amber LED strobe lights - Comply?	Y:	N:
3.7.16	<u>Alternator</u> - Output (Amps):		
3.7.17	<u>Batteries</u> - Qty:		
	Total CCA:		
3.7.18	<u>AC Inverter</u> - Complies?	Y:	N:
(a)	Continuous Output:		
	Peak Output:		
(b)	AC outlet locations:		
(d)	Shutdown voltage:		
3.7.19	<u>Lubricants and Hydraulics</u> - Complies?	Y:	N:
3.7.20	<u>Pintle Hook</u> - Complies?	Y:	N:
(d)	Mounting Plate - Required?	Y:	N:
4	<u>BODY</u>		

4.1	<u>Crane System</u>		
	Make/Model:		
4.1.1	<u>Capability</u> - Complies?	Y:	N:
4.1.2	<u>Application Equipment</u> - Complies?	Y:	N:
(a)	Boom - Complies?	Y:	N:
	Maximum Capacity:		
	Extended Length:		
(b)	Outriggers - Complies?	Y:	N:
	Outrigger Monitoring System - Supplied?	Y:	N:
(c)	Load Spreader Plates - Supplied?	Y:	N:
(d)	Main Hoist - Complies?	Y:	N:
(e)	Capacity Charts - Complies?	Y:	N:
4.1.3	<u>Craning Control</u> - Complies?	Y:	N:
(b)	Anti two-block - Complies?	Y:	N:
(c)	LMI Make/Model:		
4.1.4	Make/Model of Crane: _____		
4.2	<u>Stake-Sided Flat-Deck</u>		
	Load Capacity:		
4.2.1	<u>Loading</u> - Complies?	Y:	N:
4.2.2	<u>Dimensions</u> - Complies?	Y:	N:
	Length:		
	Width:		
4.2.3	<u>Structure</u> - Complies?	Y:	N:
4.2.4	<u>Bulkhead Rack</u> - Complies?	Y:	N:

4.2.5	<u>Deck Floor</u> - Complies?	Y:	N:
(c)	Tie Down Rings - Complies?	Y:	N:
(d)	Reinforced stake mounts?	Y:	N:
4.2.6	<u>Removable Stake Sides</u> - Complies?	Y:	N:
4.3	<u>Holes</u> - Complies?	Y:	N:
4.4	<u>Miscellaneous Features</u> - Complies?	Y:	N:
5	<u>EXTERIOR</u>		
5.1	<u>Paint Procedure</u> - Complies?	Y:	N:
5.2	<u>Paint Colour:</u>		
5.3	<u>Corrosion Protection</u> - Complies?	Y:	N:
	Corrosion protection system:		
5.4	<u>Corrosion Resistant Materials</u> - Complies?	Y:	N:
5.5	<u>Identification</u> - Complies?	Y:	N:
5.6	<u>Warning and Instruction Plates</u> - Complies?	Y:	N:
6	<u>DELIVERABLE INFORMATION</u>		
6.2	<u>Equipment Manuals</u>		
	Engine, transmission, drive train and axles manuals included?	Y:	N:
(a)	<u>Operator's Manuals</u> Will be provided as requested?	Y:	N:
(b)	<u>Parts Manuals</u> Will be provided as requested?	Y:	N:
(c)	<u>Maintenance (Shop Repair) Manuals</u> Will be provided as requested?	Y:	N:
(e)	<u>Sample Manuals</u> Will be provided as requested?	Y:	N:
6.3	<u>Data Summary</u> Will be provided as requested?	Y:	N:
6.4	<u>Photographs</u> Will be provided as requested?	Y:	N:
6.5	<u>Warranty Letter</u> Will be provided as requested?	Y:	N:

6.6	<u>Line Setting Ticket</u> Included?	Y:	N:
6.7	<u>Familiarization</u> Will be provided as requested?	Y:	N:

