



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 Cab Chassis w 16'/ 22' Van Body	
Solicitation No. - N° de l'invitation W8476-144847/A	Date 2013-11-04
Client Reference No. - N° de référence du client W8476-144847	
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-512-63818	
File No. - N° de dossier hp512.W8476-144847	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-12-10	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Serra, Donna	Buyer Id - Id de l'acheteur hp512
Telephone No. - N° de téléphone (819) 956-3944 ()	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

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with this bid solicitation.

2. Requirement

Canada is seeking proposals to procure:

2.1 Three (3) Cab and Chassis with 16' and 22' Van Bodies and related items as described in Annex "A" - Pricing and in accordance with Annex "B" - Purchase Description Class 6 & 7 Mid-Range Diesel Trucks.

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

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

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the Standard Acquisition Clauses and Conditions (<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 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.remove bold

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. Environmental Considerations

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

- Offerors / suppliers are requested to provide all correspondence including (but not limited to) documents, reports and invoices in electronic format unless otherwise specified by the Contracting Authority or Project Authority, thereby reducing printed material.
- Offerors / suppliers should recycle (shred) unneeded copies of non-classified/secure documents (taking into consideration the Security Requirements).
- Product components used in performing the services should be recyclable and/or reusable, whenever possible.

6. 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 (2 hard copies)

Section IV Additional Information (2 hard copies).

Canada requests that bidders follow the format instructions described below in the preparation of their bid:

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

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

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

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

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 should complete and submit with their bid the following;

- Appendix "1" - Technical Information Questionnaire - Cab and Chassis Configuration A and B.

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). Offerors / suppliers are encouraged to offer or suggest green solutions whenever possible.

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.

3. Section II: Financial Bid

Bidders must submit their financial bid in accordance with the 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, Applicable Taxes, 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

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

5. Section IV Additional Information

Canada requests that bidders submit the following information:

5.1 Delivery

5.1.1 Firm Quantity

While delivery of the vehicles is requested by March 31, 2014, the best delivery that can be offered is as follows:

Item 001 – Two (2) Cab and Chassis with 16' Van Body and related items will be delivered within _____ calendar days from the effective date of the contract.

Item 002 – One (1) Cab and Chassis with 22' Insulated Van Body and related items will be delivered within _____ calendar days from the effective date of the contract.

5.1.2 Optional Quantity

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

Item 003 – Four(4) Cab and Chassis with 16' Van Body and related items will be delivered within _____ calendar days after an option is exercised.

Item 004 – Four(4) Cab and Chassis with 22' Insulated Van Body and related items will be delivered within _____ calendar days after an option is exercised.

5.2 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

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

1.1 Mandatory Technical Evaluation Criteria

1.1.1 Mandatory Proof of Compliance

Bidders must submit, with their bid, all proof of compliance required in the Annex B - Purchase Description and the Appendix 1 - Technical Information Questionnaire.

1.1.2 Substitutes and/or Alternatives

Bidders proposing substitutes and/or alternatives must provide all the information as detailed in Part 3, Section 1, - Substitutes and Alternatives to be considered for evaluation.

1.2 Mandatory Financial Evaluation Criteria

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

1.2.2 The prices of the bid Bids must be in Canadian dollars, DDP Delivered Duty Paid at destination, Incoterms 2000, for the firm quantity for item 001 and 002 FCA Free Carrier at Contractor's Canadian facility, Incoterms 2000 for optional quantities items 003 and 004. Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

1.2.3 Aggregate Evaluated Price

Bids will be evaluated on an aggregate price basis for the firm quantity, optional quantity and familiarization instruction/training (option) as follows:

- a) the firm unit price for the firm quantity, the optional quantity and familiarization instruction/training (option) will be multiplied by their identified estimated quantities; and
- b) the sum of all results will determine the aggregate evaluated price.

2. Basis of Selection

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

PART 5 - CERTIFICATIONS

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

The certifications provided by bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default, if any certification made by the Bidder is found to be untrue whether during the bid evaluation period or during the contract period.

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

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003.. The related documentation therein required will assist Canada in confirming that the certifications are true.

1.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from Human Resources and Skills Development Canada (HRSDC) - Labour's website.

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

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

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

2. Additional Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will 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.

2.1 Product Conformance

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

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

Bidder's authorized representative signature

Date

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement applicable to this contract.

2. Requirement

2.1 The Contractor must deliver Three (3) Cab and Chassis with 16' and 22' Van Bodies and related items as described in Annex "A" - Pricing and in accordance with Annex "B" - Purchase Description Class 6 & 7 Mid-Range Diesel Trucks.

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 (2013-04-25) General Conditions - Goods (Medium Complexity), apply to and form part of the contract.

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."

(If applicable)

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

All other provisions of the warranty section remain in effect.

4.1 Delivery of Vehicles

4.1.1 Firm Quantity

Delivery date of the vehicles must be made as follows:

Item 001 - Two(2) Cab and Chassis with 16' Van Body and related items must be delivered on or before _____ (Date to be inserted by PWGSC the Contracting Authority at time of contract award.)

Item 002 - One (1) Cab and Chassis with 22' Insulated Van Body 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 003 - Four (4) Cab and Chassis with 16' Van Body 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.)

Item 004 - Four (4) Cab and Chassis with 22' Insulated Van Body 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: Donna Serra
 Title: Supply Team Leader
 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: 819 956-3944
 Facsimile: 819 953-2953
 E-mail: donna.serra@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: _____ (To be completed by the bidder.)

Title: _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail: _____

Delivery follow-up

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

Title: _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail: _____

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

Item 002

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, and applicable Taxes are 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, and applicable Taxes are extra.

Basis of Payment (BOP) Type 3: Price to be negotiated in Canadian dollars, Delivered Duty Paid at destination, Incoterms 2000, including Canadian Custom Duties and Excise Taxes included where applicable, and applicable Taxes are extra.

The transportation cost and living expense will be "negotiated" when Canada intends to exercise an option and has identified the applicable quantities and destinations. When requested by Canada, as a basis for negotiation, the Contractor must provide the transportation price(s) and/or Travel and living expense and relevant information.

Basis of Payment (BOP) Type 4: If exercised, 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".

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 including the Client Ref # 442 . Invoices cannot be submitted until all work identified in the invoice is completed. Offerors / suppliers are requested to provide invoices in electronic format unless otherwise specified by the Contracting Authority or Project Authority, thereby reducing printed material.

Each invoice must be supported by:

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

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 5-5-1-1

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

7.3 Holdback

A ten percent (10%) holdback will apply on the total price of each vehicle 001, 002, 003 and 004 on any due payment of the said vehicle/equipment. Release of the holdback (10%) is conditional upon receipt and certified acceptance by inspection authority of the said vehicle and all related items as identified in Annex "A" - Pricing.

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

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

8. Certifications

8.1 Compliance

Compliance with the certifications and related documentation 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, provide the related documentation or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

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

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and HRSDC-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "FCP Limited Eligibility to Bid" list. The imposition of such a sanction by HRSDC will constitute the Contractor in default as per the terms of the Contract.

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 (2013-04-25) General Conditions - Goods (Medium Complexity);
- (c) Annex "A" - Pricing;

- (d) Annex "B" - Purchase Description - Class 6 & 7 Mid-Range Diesel Trucks
 (e) Appendix 1- Technical Information Questionnaire - Cab and Chassis Configuration A and B;
 (f) Annex "C", Federal Contractors Program for Employment Equity - Certification;
 (g) the Contractor's bid dated _____

11. SACC Manual Clauses

A1009C	Work Site Access	2008-05-12
A9006C	Defence Contract	2012-07-16
A9049C	Vehicle Safety	2011-05-16
C2800C	Priority Rating	2013-01-28
C2801C	Priority Rating - Canadian-based Contractors	2011-05-16
D3010C	Dangerous Goods/Hazardous Products	2012-07-16
D5510C	Quality Assurance Authority (DND) - Canadian-based Contractor	2012-07-16
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	2012-07-16
D9002C	Incomplete Assemblies	2007-11-30
G1005C	Insurance	2008-05-12

12. Inspection and Acceptance

The Technical Authority or his representative is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the Requirements 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 inspection authority or consignee personnel at the final delivery location.

The fuel tanks must be at least half full prior to release of the vehicle(s) to inspection authority or consignee.

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 (For 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. 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 0K2

Attention: DLP 5-5-1-1
- (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.

16. 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. The crown reserves the right to carry out the Post-Contract Award Meeting/Pre-Production Meeting via teleconference.

17. Progress Reports

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

Each progress report must address the following questions:

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

18. 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.

19. 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.

20. Material

Material supplied must be new unused and of current production by manufacturer. (2013 model-year or newer).

21. Design Changes

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

22. 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.

23. 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.

24. 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 Cab and Chassis with 16' Van Body (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, CD of all manuals, data summary, photographs, warranty letter(s), Line Setting Tickets and Familiarization training in accordance with the attached Annex "B" - Purchase Description - Class 6 & 7 Mid-Range Diesel Trucks.

The Cab and Chassis with 16' Van Body and related items must be delivered to:

CFS ASU Petawawa
Major Equipment Section
CFB Petawawa
Petawawa, Ontario
K8H 2X3

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: 2

Item 002 Cab and Chassis with 22' Insulated Van Body (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, CD of all manuals, data summary, photographs, warranty letter(s), Line Setting Ticket and familiarization training in accordance with the attached Annex "B" - Purchase Description - Class 6 & 7 Mid-Range Diesel Trucks.

The Cab and Chassis with 22' Insulated Van Body and related items must be delivered to:

CFS ASU Petawawa
Major Equipment Section
CFB Petawawa

Petawawa, Ontario

K8H 2X3

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: 1

Item 003 Cab and Chassis with 16' Van Body (Optional Quantity)

If this option is exercised, the Contractor must deliver the vehicle/equipment including sample manuals, CD of all manuals and warranty letter(s) in accordance with the attached Annex "B" - Purchase Description - Class 6 & 7 Mid-Range Diesel Trucks.

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

Quantity: Up to 4

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Basis of Payment Type 2 (as detailed at Clause 6.1 Basis of Payment).

Item 004 Cab and Chassis with 22' Insulated Van Body (Optional Quantity)

If this option is exercised, the Contractor must deliver the vehicle/equipment including sample manuals, CD of all manuals and warranty letter(s) in accordance with the attached Annex "B" - Purchase Description - Class 6 & 7 Mid-Range Diesel Trucks.

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

Quantity: Up to 4

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Basis of Payment Type 2 (as detailed at Clause 6.1 Basis of Payment).

Item 005 Familiarization instructions/training (Option)

If this option is exercised, the Contractor must provide familiarization instruction/training, in accordance with the attached Annex “B” - Purchase Description - Class 6 & 7 Mid-Range Diesel Trucks.

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

Quantity: up to 8

Item 006 Transportation Cost (optional Quantities)

If optional vehicles are exercised, the contractor must deliver the vehicle/equipment to final destination detailed below.

The Cab and Chassis with 16’ and 22’ Van Bodies and ancillary items must be delivered to:

_____ (to be provided by PWGSC if an option is exercised)

Delivery contact: _____ (Name to be inserted by PWGSC if an option is exercised.)

Date of delivery: _____ (Date to be inserted by PWGSC if an option is exercised.)

Quantity: Up to 8

Negotiated price: \$(to be negotiated if an option is exercised) per vehicle/equipment, for transportation cost, Delivered Duty Paid at destination, in accordance with Part 6, Basis of Payment Type 3.

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

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

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.

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

Estimated cost: _____ Familiarization Instruction/Training, for Travel and Living expenses, Delivered Duty Paid at destination, in accordance with Part 6, Basis of Payment Type 4.

Quantity: up to 8

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

Item 008 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 “C”
**FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY -
CERTIFICATION**

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

For further information on the Federal Contractors Program for Employment Equity visit HRSDC-Labour's website.

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

Complete both A and B.

A. Check only one of the following:

- A1. The Bidder certifies having no work force in Canada.
- A2. The Bidder certifies being a public sector employer.
- A3. The Bidder certifies being a federally regulated employer being subject to the *Employment Equity Act*.
- A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).

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

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

OR

- A5.2. The Bidder certifies having submitted the Agreement to Implement Employment

Equity (LAB1168) to HRSDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to HRSDC-Labour.

B. Check only one of the following:

B1. The Bidder is not a Joint Venture.

OR

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



NOTICE

This documentation has been reviewed by the technical authority and does not contain controlled goods.

AVIS

Cette documentation a été révisée par l'autorité technique et ne contient pas de marchandises contrôlées.

23 September 2013

ANNEX "B"

PURCHASE DESCRIPTION

FOR

CLASS 6 & 7 MID-RANGE DIESEL TRUCKS

1. SCOPE.

1.1 Scope- This Purchase Description describes the requirement for Class 6 & 7 Mid-Range Diesel Trucks with 4x2 & 4x4 configurations. This document shall be used in conjunction with the specifications listed below. Details of the requirement for variant packages to be integrated on the Mid-Range Diesel Truck are included in this document and these specifications. Variant package specifications include:

Van Body - 4.8 meter (16 feet) Paragraph 3.25

Insulated Van Body - 6.7 meter (22 feet) Paragraph 3.26

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

- (a) Requirements, which are identified by the word "shall", are mandatory. Deviations will not be permitted.
- (b) Requirements identified by "shall^(E)", are mandatory. However, the Technical Authority will consider alternatives for acceptance as a Technical Authority Approved Equivalent. "Technical Authority Approved Equivalent" is defined as an alternative standard, design, feature, or component that is evaluated by the Technical Authority and determined to meet the specified requirements for equivalent standard, form, fit, function and performance as applicable.
- (c) Requirements identified with a "will" define actions to be performed by the Crown 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 a standard is specified and the Contractor has offered an equivalent, that equivalent standard shall be provided, upon request;
- (g) Where certification is required, the Contractor shall provide the certification or acceptable proof of compliance, upon request.
- (h) Metric measurements shall be used as defining the requirement. Other measurements are reference only and may not be exact conversions.
- (i) 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.

1.4 Definitions - The following definitions shall be applied to the interpretation of this Purchase Description:

- (a) “Technical Authority” (TA) is the government official responsible for technical management of this requirement. The Technical Authority is the Director Support Vehicles Program Management;
- (b) “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;
- (c) “Vehicle” is defined as a Class 6 or 7 Diesel Truck chassis complete with the body requested in the Equipment Applicability Table (Table - 4); and
- (d) “Curb Weight” is the empty weight (no payload included) of a fully equipped truck. Curb weight shall include the cab and chassis, equipment variant/body, all attached devices, equipment, and full fuel tanks, lubricants, and coolants.

1.5 CONFIGURATION CAPABILITY TABLES- The following table details the minimum design requirements, which shall be met for each configuration:

TABLE - 1 – CONFIGURATION “A” - TRUCK, 4X2, DUAL WHEELS			
	GVWR	GAWR FRONT	GAWR REAR
MIN. WEIGHT RATINGS	9,752 kg (21,500 lbs)* *Max offered <u>shall</u> not exceed 11,000 kg (24,250 lbs)	2,722 kg (6,000 lbs)	7,030 kg (15,500 lbs)

VEHICLE SPEED	At least 105 km/h (65 mph)
VEHICLE GRADEABILITY	1.2 Percent at 90 km/h (56 mph)
MIN. ENGINE HORSEPOWER	250
MIN. FUEL RESERVOIR CAPACITY	262 Litres (70 US Gallons)

TABLE - 2 – CONFIGURATION “B” – TRUCK, 4X2, DUAL WHEELS			
	GVWR	GAWR FRONT	GAWR REAR
MIN. WEIGHT RATINGS	15,876 kg (35,000 lbs)	5,443 kg (12,000 lbs)	10,432 kg (23,000 lbs)
VEHICLE SPEED	At least 105 km/h (65 mph)		
VEHICLE GRADEABILITY	1.2 Percent at 90 km/h (56 mph)		
MIN. ENGINE HORSEPOWER	300		
MIN. FUEL RESERVOIR CAPACITY	375 Litres (100 US Gallons)		

1.6 EQUIPMENT APPLICABILITY TABLE. - The following table details the equipment required for each configuration:

TABLE - 4 - EQUIPMENT APPLICABILITY TABLE			
	Item	Configuration	
		A	B
3.7.2 Fuel System			
(a) A Min. Fuel Reservoir Capacity of 262 Litres (70 US Gallons)		✓	
A Min. Fuel Reservoir Capacity of 375 Litres (100 US Gallons)			✓
3.10.1 Additional Brake Equipment			
(a) Hydraulic Brake System		✓	
3.22 Variant Packages			
Van Body 4.8 m (16')	I	✓	
Insulated Van Body 6.7 m (22')	II		✓

1.7 **Requirement Summary Table** –

TABLE - 5 - REQUIREMENT SUMMARY TABLE						
Item	Configuration	Brakes	Variant Package		Qty	Destination
			4.8 m (16') Van Body	6.7 m (24') Insulated Van Body		
I	“A” Complete with 4.8 m (16') Van Body	Hydraulic Brakes	✓	N/A	2	Petawawa
II	“B” Complete with 6.7 m (22') Insulated Van Body	Air Brakes	N/A	✓	1	Petawawa

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. **REQUIREMENTS.**

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

- (a) Be based on the chassis manufacturer's latest model;
- (b) Be based on a equipment Variant model having demonstrated industry acceptability by having been manufactured and sold commercially, or, be manufactured by a company that has at least 5 years experience in manufacturing a comparable type of equipment of equivalent or greater complexity;
- (c) 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) 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) Not have system and component capacities increased above published ratings (i.e. product or component brochures); and
- (f) Include all components, and accessories normally supplied for the intended equipment Variant application, although they may not be specifically described in this Purchase Description.

3.2 Operating Conditions- Vehicles, of specified GVWR, *shall* operate safely and efficiently on paved roads, gravel roads and dirt roads with severe washboard, pot holes and off-road terrain in year round conditions including mud, snow and ice 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.

3.3.1 Variant Package Integrator(s) Certification - The bidder *shall* submit upon request 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) Vehicle speed, identified as “**VEHICLE SPEED**” in the **CONFIGURATION CAPABILITY TABLES**;
- (b) Vehicle gradeability, identified as “**VEHICLE GRADEABILITY**” in the **CONFIGURATION CAPABILITY TABLES**;
- (c) Gross engine horsepower, identified as “**MINIMUM ENGINE HORSEPOWER**”, in the **CONFIGURATION CAPABILITY TABLES**; and
- (d) The bidder *shall* provide a computer generated vehicle performance prediction analysis with the Technical Information Questionnaire for a fully loaded vehicle for each configuration. A fully loaded vehicle is a vehicle having a Gross Vehicle Weight Rating identified as “**GVWR**” in the **CONFIGURATION CAPABILITY TABLE**.

3.5 Ratings- The vehicle *shall* have the following minimum ratings:

- (a) Weight ratings, identified as “GVWR”, “GAWR FRONT” and “GAWR REAR” in the **CONFIGURATION CAPABILITY TABLES**; and
- (b) The offered GVWR rating for configuration A ***shall* not exceed 11,000 kg (24,250 lbs)**.

3.6 Dimensions- The bidder ***shall*** provide the following required chassis dimensions for every body length specified in the **EQUIPMENT APPLICABILITY TABLE**:

- (a) Front axle centreline to rear axle centreline (Wheelbase WB), end of cab to rear axle centreline (CA) & rear axle centreline to end of frame (AF) dimensions; and

3.7 Engine- The engine ***shall***:

- (a) Be diesel powered; and
- (b) Be turbocharged and electronically controlled.

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

- (a) A replaceable dry-type air filter that includes a filter restriction gauge;
- (b) Engine coolant for temperatures down to -34°C (-30°F);
- (c) Exhaust system including a vertical exhaust pipe equipped with heat shield. The stack ***shall*** clear the body roof line and be fitted with an exhaust elbow; and
- (d) A cooling system that includes a thermostatic fan.

3.7.2 Fuel System - The vehicle ***shall*** be equipped with:

- (a) Fuel reservoir(s) that is mounted on standard support brackets and having a minimum total capacity, identified as “**MIN. FUEL RESERVOIR CAPACITY**” in the **CONFIGURATION CAPABILITY TABLES** for each configuration; and
- (b) **Fuel Heater** - A self-regulating in-line electric or coolant type 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 heaters are provided as guidance: Arctic Fox or Fuel Pro

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

- (a) A 110-volt coolant block heater of the highest wattage capacity recommended by the engine manufacturer; and
- (b) A fuel filter/water separator incorporating a thermostatically controlled heater; and

3.8 Automatic Transmission- The vehicle shall be equipped with an electronically controlled fully automatic transmission, which is compatible with the diesel engine provided. An automatic transmission is defined as “a transmission that requires no driver intervention to start, to change ratio, or to stop”. The transmission shall:

- (a) Have a minimum of five (5) forward speeds and one reverse speed;
- (b) Include an oil cooler and an oil filter; 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.

3.9 Steering- The vehicle shall be equipped with a power assisted steering with a telescopic tilt steering column.

3.10 Brakes- The vehicle shall be equipped with full air actuated service brakes and spring actuated parking brakes. Air tank(s) shall^(E) be located/installed between chassis frame rails to achieve best ground clearance to protect the air tank(s) and its components (ex. expello valves) from damage from road debris. This configuration/location of the air tank(s) shall be confirmed with each equipment variant supplier to ensure that this configuration will not interfere with the equipment variants installation. The brake system shall:

- (a) Include a 4-channel anti-lock (ABS) brake system;
- (b) Be S-cam type air brakes with automatic slack adjusters;
- (c) Include a minimum 0.367 cubic metre (12.9 cfm) air compressor;
- (d) Include a wet air reservoir capable of being recharged using a quick disconnect fitting for charging air system mounted under front bumper;
- (e) Include an automatic air dryer;
- (f) Be equipped with heated automatic moisture expelling valve(s);
- (g) Include brake housing dust shields and visual brake stroke indicators on rear brake chambers; and
- (h) Include long stroke brake chambers.

3.10.1 Additional Brake Equipment- The following Additional Brake Equipment shall be provided configuration A, as required in the **EQUIPMENT APPLICABILITY TABLE**:

- (a) **Hydraulic Brake System-** Be equipped with a hydraulic brake system incorporating an anti-lock braking system (ABS). Air tank(s) location requirement as detailed in Paragraph 3.10 shall be applicable if components installed require air tank(s) installation (Equipment such as air adjustable driver seat, rear air suspension, etc.). The hydraulic brake system shall be equipped with components detailed in paragraphs 3.10 (e) & (f).

3.11 Wheels and Tires- The vehicle shall be equipped with steel-belted, tubeless radial tires mounted on hub pilot disc wheels that are balanced to preclude wheel shimmy at all vehicle speeds. The tires and rims shall have sufficient load capacity for a vehicle loaded to rated capacity (GVWR). The vehicle shall be equipped with highway tread design on the front axle and mud and snow tires on the rear axles. A torque wheel nut indicator shall be provided.

3.12 Suspension and Axles- The vehicle shall be equipped with leaf spring suspension at the front. The rear suspension shall be air suspension with rear suspension stabilizer. The rear air suspension shall include:

- (a) Immediate response automatic height control valves;
- (b) Double acting shock absorbers on all axles;
- (c) Driver controlled full locking rear differential;
- (d) Air pressure dump valve with indicator light, gauge and buzzer. The controls shall be located in the cab and accessible to the driver; and
- (e) Rear suspension stabilizer for increased vehicle stability.

3.13 Frame- The frame shall be strong at the towing points and variant system mounting points. The frame shall have Section Modulus of 15.9 and a resisting bending moment using at least 100,000 psi High Strength Steel.

3.14 Cab- The cab shall be a conventional cab. The cab shall include:

- (a) A factory installed, air conditioning system equipped with an environmentally friendly refrigerant such as R134A;
- (b) Tinted glass/windows to reduce solar heating effects;
- (c) Electrically powered windows;
- (d) A high-back air suspended driver's seat with arms rest on both sides, with cloth insert. A two-man companion seat with cloth insert;
- (e) Retractable shoulder/lap belt assemblies for the driver and the outside passenger, and a lap belt for the centre passenger;
- (f) Two aerodynamic, heavy-duty, heated, motorized, rear view mirrors. Each mirror shall^(E) include a convex section. Mirror glass shall be replaceable, adjusted from inside the cab and include a heating element;

Note: The following heavy-duty west coast mirrors dimensions are provided as guidance - 15 by 40 cm (6 by 16 inches)

The following convex mirrors dimensions are provided as guidance – 20 cm (8 inches) diameter.

- (g) Two rotating and pivoting interior sun visors;
- (h) Cab insulation, dark upholstery, coat hooks, vinyl mats as well as armrests on both doors;
- (i) Manufacturer's standard interior trim;
- (j) An AM/FM radio with a CD player; and
- (k) Dash coffee cup holder.
- (l) Power lock doors.

3.15 Controls and Instruments- The vehicle ***shall*** be equipped with:

- (a) Electric windshield washers;
- (b) Intermittent windshield wipers;
- (c) Cruise control system with a fast idle feature;
- (d) Tachometer;
- (e) Odometer showing cumulative distance in kilometres;
- (f) Coolant temperature gauge with a high coolant temperature indicator;
- (g) Oil pressure gauge with a low engine oil pressure indicator;
- (h) Voltmeter or ammeter;
- (i) Differential lock(s) engaged indicator; and
- (j) Back up alarm.

3.16 Electrical System- The vehicle, including integrated body, ***shall*** be equipped with Light Emitting Diode (LED) lights. The vehicle ***shall*** be equipped with manufacturer's electrical system that includes:

- (a) Stop, tail, and clearance lights;
- (b) An alternator with an output of at least 135 amperes;
- (c) A master disconnect switch for electrical system;
- (d) A tailgate master disconnect switch inside the cab;
- (e) Wiring protected by insulating grommets where passing through metal;
- (f) Halogen headlights;

- (g) Electrical circuits protected with fuses, relays or circuit breakers; and
- (h) LED reverse lights.

3.16.1 Batteries- Heavy duty maintenance free batteries shall be provided. The batteries shall have a total cold cranking amperes capacity of at least 2250 (CCA).

3.17 Miscellaneous Equipment- The vehicle shall be equipped with the following miscellaneous equipment:

- (a) License plate holders, front and rear;
- (b) Standard Mud flaps at the front and rear;
- (c) Two recovery tow points mounted at the front and at the rear, hooks and mountings of sufficient strength to permit the recovery of the fully loaded vehicle;
- (d) An aluminum weatherproof compartment that:
 - i. Located in a Technical Authority Approved Location as agreed at the PPM, with the preferred location accessible from the curbside;
 - ii. Equipped with side-swinging pad-lockable door(s), which do not interfere with general access and static operations when open;
 - iii. Have provision for drainage; and
 - iv. Have the compartment interior walls and floor sprayed with an impact and noise protective coating, and the floor lined with removable tough perforated vinyl matting.

Note: The following compartment dimensions are provided as guidance - 91 cm X 61 cm X 61 cm (36 inches X 24 inches X 24 inches).

- (e) Strips of reflective Conspicuity Tape in accordance with Transport Canada regulations. The tape Shall be installed horizontally at the floor line, on each side and across the body and across the rear.
- (f) Four aluminum “**Dangerous Goods**” placard holders. The holders shall 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 left front face of the body.

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

- (a) Paint applied in accordance with the paint manufacturer's recommendations and the manufacturer's best production procedures, rendering a durable finish and a smooth appearance free from runs, sag and orange peel;
- (b) A phosphate treatment plus primer or an E-coat system on all ferrous metals, followed by a minimum of one coat of paint and a clear coat; and
- (c) A clear exterior grade sealer on all wooden surfaces.

3.18.1 Paint Colour- The vehicle shall be painted Gloss White. The chassis components may be painted the manufacturer's standard colour.

3.19 Corrosion Protection System The following applies:

- (a) Dissimilar metals shall be protected against galvanic corrosion.
- (b) In addition to standard factory rustproofing, a rust prevention coating shall be applied to the chassis, including the underside of fenders, enclosed and boxed-in sections, seams, mouldings, crevices, weld points, underbody and exposed exterior brackets. The product applied shall^(E) be a commercial product such as Krown, or Rust Check. A decal and warranty papers shall^(E) accompany the vehicle.

3.20 Tuck-under Hydraulic Tailgate - The vehicle shall be equipped with an easy-lift, tuck-under electro-hydraulic tailgate with an aluminum deck, and a minimum capacity of 900 kg (2000 pounds). The tailgate shall have:

- (a) The capacity rating conspicuously and permanently marked on the tailgate;
- (b) Power up and down controls;
- (c) A heavy-duty platform with a tapered outer edge and a non-skid surface. The platform including the tapered edge shall be at least 1,219 mm (48 inches) deep, and the width of the rear body opening. The front of the platform shall be at the same level of the body floor when the tailgate is fully utilized (A gap between body floor and the front of tailgate is not acceptable);
- (d) A hydraulic pump equipped with an automatic overload bypass. The pump shall be driven by a 12-volt electric motor and equipped with a protective cover;
- (e) Permanently wired weatherproof controls located at the rear curbside corner;
- (f) A brochure detailing the tailgate information. If requested, the bidder shall submit the tailgate brochure during the bid evaluation;

Note: The following controls location is provided as guidance - 1,372 to 1,524 mm (4 ½ to 5 feet) above the ground

- (g) Be equipped with the following integral components:

- i. At least 203 mm (8 inches) deep full width checkerplate deck extension of at least 8 mm (5/16-inch);
- ii. A heavy-duty loop or flip type step on each side of the vehicle, flush mounted with the sides of the deck extension. The height of the step **shall** be 610 mm (2 feet) above ground; and
- iii. Safety warning decals on the rear face of the body platform, and 53 mm (6 inches) deep full width warning strips of solid yellow stripes on the inner and outer edges of the tailgate platform.

3.21 Lubricants and Hydraulic Fluids- The following applies:

- (a) Axles, transmission and differentials **shall** be furnished with synthetic lubricant. The synthetic lubricant **shall** be approved by components manufacturer and furnished by the OEM; and
- (b) The vehicle **shall** operate satisfactorily on Canadian Forces Supply Line lubricants including synthetic lubricants. This includes 15W40 and SAE 75W90. Vehicle hydraulic systems **shall** operate using DEXRON III.

3.22 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 and GAWR ratings (as applicable).

3.23 Warning and Instruction Plates- The vehicle **shall** be equipped with warning and equipment operation instruction plates that are in accordance SAE J115. The plates **shall**:

- (a) Bilingual (English and French) and within easy view of the operator; and
- (b) Make use of graphic symbols, as much as possible, as defined in SAE J1362.

3.24 Deliverable Information – The Contractor **shall** provide the Deliverable Information in accordance with the terms of the contract/call-up:

- (a) **Equipment Manuals** – The following manuals **shall** be provided:
 - i. **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 chassis Operator's manual shall be delivered with the vehicle;**
 - ii. **Parts Manuals** – The Parts Manuals **shall** be in English (French translation is desirable);
 - iii. **Maintenance (Shop Repair) Manuals** - The Maintenance (Shop Repair) Manual **shall** be in English (French translation is desirable);

- iv. Manuals on CD/DVD-ROM or on-line will be acceptable. **A hard copy of the chassis Operator's manual shall be delivered with the vehicle.**
 - v. **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;
 - vi. **Variant Equipment Manuals** – Variant equipment are assemblies not produced by the Prime manufacturer that are added to the vehicle, which have their own set of manuals.
- (b) **Data Summary** – The Contractor **shall** provide a 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. The Data Summary **shall** be bilingual;
 - (c) **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;
 - (d) **Warranty Letter** – The contractor **shall** provide a copy of the completed 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. The Warranty Letter **shall** be bilingual;
 - (e) **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. 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; and
 - (f) **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 **shall** be available in both French and English. The Technical Authority will provide Familiarization Instruction Completion Form template.

ITEM (I)

- 3.25 **VAN BODY** – The vehicle **shall** be equipped with a van body.

3.25.1 Nominal Dimensions- All dimensions indicated in this Purchase Description are considered nominal dimensions, unless otherwise specified.

3.25.2 Dimensions- The body exterior length *shall* be **4.8 meter (16 feet)**. Table – 6 details the approximate dimension requirement for exterior body width, interior height, door width, door height opening and header height:

TABLE - 6					
BODY EXTERIOR LENGTH <i>shall</i> be	EXTERIOR BODY WIDTH <i>shall</i>^(E) be	INTERIOR HEIGHT <i>shall</i>^(E) be	DOOR WIDTH <i>shall</i>^(E) be	DOOR HEIGHT OPENING <i>shall</i>^(E) be	HEADER HEIGHT <i>shall</i>^(E) be
Item I 4.8 meter (16 feet))	2,438 mm (96 inches)	2,463 mm (97 inches)	2,336 mm (92 inches)	2,286 mm (90 inches)	146 mm (5-3/4 inches)

3.25.3 Construction- The construction *shall*^(E) have the following features:

- (a) Structural channel steel main frame rails 127 by 48 mm (5 by 1-7/8 inches);
- (b) Channel steel or “I” beam cross-members, 100 by 38 mm (3 by 1-1/2 inches), on 305 mm (12 inches) centres. Each cross-member *shall*^(E) have one support gusset welded to the mainframe rails. The rear 1,828 mm (6 feet) *shall*^(E) have cross-members spaced on 203 mm (8 inches) centres to accommodate the initial forklift front axle load;
- (c) Exterior skin pre-painted White smooth aluminum sheet, at least 18 gauge/ 0.040 inch, riveted to wall posts and understructure;
- (d) Rivets spaced 51 mm (2 inches) centre to centre;
- (e) Wall posts of at least 35 mm (1-3/8 inches) roll formed galvanized sections on 410 mm (16 inches) centres with wide flanges for lining;
- (f) Large aerodynamic radius corners utilized on the front face of the body; and
- (g) All panel joints designed to prevent the ingress of moisture.

3.25.4 Floor- The floor:

- (a) *Shall* be strong enough for loading cargo by forklift with a 4,540 kg (10,000 lbs) GVW and 3630 kg (8,000 lbs) single axle load;
- (b) *Shall*^(E) have finished thickness of at least 35 mm (1-3/8 inches). The floor *shall*^(E) be a kiln dried or seasoned hardwood with tongue and groove or ship lapped construction;

- (c) ***Shall*** have 24 inches threshold plate at rear. The plate ***shall***^(E) be constructed of 11-gauge steel checker plate. The checker plate ***shall*** be painted Black. The plate leading edge ***shall*** be recessed into the floor and fastened into cross members with carriage bolts; and
- (d) ***Shall*** have two rows of six evenly spaced 2275 kg (5000 lbs) capacity, recessed (flush mounted), tie-down rings ***shall*** be provided. 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, but not more than 203 mm (8 inches) from the sides.

3.25.5 Interior Walls and Ceiling- The following ***shall***^(E) be provided:

- (a) The interior walls lined with exterior grade plywood with a thickness of at least 12.5 mm (1/2 inch);
- (b) The lower interior walls lined with at least 12 gauge corrugated galvanized steel protective barrier, to a height of 305 mm (12 inches);
- (c) Two logistic tracks running the length of both side walls. The tracks ***shall*** be recessed and mounted at heights of 762 and 1524 mm (30 and 60 inches) above the floor. The tracks ***shall*** be equipped with a minimum of 10 tie-down straps; and

Note: The following is provided as guidance:

The logistic tracks: Load Lock No. 1806

Tie-down straps: Load Lock No. 1810-23

- (d) Two heavy-duty telescopic poles.

Note: The following is provided as guidance for the telescopic poles - Load Lock No. 1818SQH

3.25.6 Roof- The following ***shall***^(E) be provided:

- (a) A one-piece roof of translucent fibreglass riveted around the perimeter to recessed roof rails and bonded to precambered aluminum or galvanized steel roof bows;
- (b) Precambered at least 35 mm (1-3/8 inches) anti-snag type roof bows, spaced 61.5 mm (24 inches) apart; and
- (c) Two evenly spaced full-length interior corrugated rub strips. The rub strips ***shall*** be at least 12 inches wide, resemble a “hat style” shape and be fabricated of at least 12 gauge galvanized steel or aluminum.

3.25.7 Roll-up Rear Door- A full width roll-up door ***shall*** be provided. The roll-up door ***shall*** have the following features:

- (a) A dry freight, plywood, premium faced two sides, constructed roll-up door with a reinforced bottom section;

- (b) Permanently lubricated enclosed steel heavy duty rollers;
- (c) Heavy duty roller guide rails;
- (d) Spring type lifting mechanism;
- (e) A heavy duty lever lock with provision for locking with a padlock; and
- (f) Perimeter door seal for all four sides of door.

3.25.8 Mounting- The Body *shall*:

- (a) Be mounted using the appropriate number of U-bolts or shear plates as required for the length of body being secured; and
- (b) Be mounted using a full-length hardwood spacer.

3.25.9 Features- The following *shall* be provided:

- (a) Heavy-duty rubber bumpers 102 mm (4 inches) deep at the rear corners.
- (b) LED exterior body lights, including backup lights; and
- (c) A minimum of four interior dome lights with flush mounted to the ceiling rub strips and a 15 minute, minimum, timer switch mounted in the right top rear inside the wall of the van body. All interior lights *shall* be LED. The switch *shall* be mounted in an area where it can be protected from damage.

ITEM (II)

3.26 INSULATED VAN BODY – The vehicle *shall* be equipped with an insulated van body.

3.26.1 Nominal Dimensions- All dimensions indicated in this Purchase Description are considered nominal dimensions, unless otherwise specified.

3.26.2 Dimensions- The body exterior length *shall* be **6.7 meter (22 feet)**. Table- 7 details the approximate dimension requirement for body interior length, exterior body width, interior height, door width, door height opening and header height:

TABLE - 7					
BODY EXTERIOR LENGTH <i>shall</i> be	EXTERIOR BODY WIDTH <i>shall</i>^(E) be	INTERIOR HEIGHT <i>shall</i>^(E) be	DOOR WIDTH <i>shall</i>^(E) be	DOOR HEIGHT OPENING <i>shall</i>^(E) be	HEADER HEIGHT <i>shall</i>^(E) be
Item II 6.7 meter (22 feet)	2,438 mm (96 inches)	2,463 mm (97 inches)	2,336 mm (92 inches)	2,286 mm (90 inches)	146 mm (5-3/4 inches)

3.26.3 Construction- The construction ***shall*^(E)** have the following features:

- (a) Structural channel steel main frame rails 127 by 48 mm (5 by 1-7/8 inches);
- (b) Channel steel or “I” beam cross-members, 100 by 38 mm (3 by 1-1/2 inches), on 305 mm (12 inches) centres. Each cross-member ***shall*^(E)** have one support gusset welded to the mainframe rails. The rear 1,828 mm (6 feet) ***shall*^(E)** have cross-members spaced on 203 mm (8 inches) centres to accommodate the initial forklift front axle load;
- (c) Exterior skin pre-painted White smooth aluminum sheet, at least 18 gauge/ 0.040 inch, riveted to wall posts and understructure;
- (d) Rivets spaced 51 mm (2 inches) centre to centre;
- (e) Wall posts of at least 35 mm (1-3/8 inches) roll formed galvanized sections on 410 mm (16 inches) centres with wide flanges for lining;
- (f) Large aerodynamic radius corners utilized on the front face of the body; and
- (g) All panel joints designed to prevent the ingress of moisture.

3.26.4 Floor- Floor ***shall*** be:

- (a) Strong enough for loading cargo by forklift with a 4,540 kg (10,000 lbs) GVW and 3630 kg (8,000 lbs) single axle load; and
- (b) An extruded aluminum anti-slip plank floor with continuously welded seams and 4 drain holes with one way valves.

3.26.5 Interior Walls and Ceiling- The following ***shall*^(E)** be provided:

- (a) The interior walls and ceiling lined with a Kemlite liner bonded to the foam without fasteners and with no air pockets behind the Kemlite liner. The insulation ***shall*** be at least 762 mm (3 inches);
- (b) Lower interior walls lined with at least 12 gauge aluminum protective barrier, to a height of 305 mm (12 inches). The barrier ***shall*^(E)** be integral with the floor overlay forming a bathtub effect;
- (c) Two logistic tracks running the length of both side walls. The tracks ***shall*** be recessed and mounted at heights of 762 and 1524 mm (30 and 60 inches) nominal above the floor. The tracks ***shall*** be equipped with a minimum of 10 tie-down straps; and

Note: The following is provided as guidance:

The logistic tracks: Load Lock No. 1806

Tie-down straps: Load Lock No. 1810-23

- (d) Two heavy-duty telescopic poles.

Note: The following is provided as guidance for the telescopic poles - Load Lock No. 1818SQH

3.26.6 Roof- The following *shall*^(E) be provided:

- (a) A one-piece roof riveted around the perimeter to recessed roof rails and bonded to precambered aluminum or galvanized steel roof bows;
- (b) Precambered at least 35 mm (1-3/8 inches) top-hat type roof bows, spaced 61.5 mm (24 inches) apart; and
- (c) Two evenly spaced full-length interior corrugated rub strips. The rub strips *shall* be at least 12 inches wide, resemble a “hat style” shape and be fabricated of at least 12 gauge galvanized steel or aluminum.

3.26.7 Barn Type Doors- Two full height full-width barn type doors *shall* be provided. The doors *shall*^(E) have the following features:

- (a) Stainless Steel Compression-type door hardware on each door, with provision for locking with a padlock;
- (b) Moulded rubber triple door seals;
- (c) Devices to secure the doors in the full open position;
- (d) A minimum of four Aluminum & Stainless Steel hinges per door;
- (e) At least 11 gauge satin coat frame or galvalume steel; and
- (f) At least 4 mm (3/16 inch) steel doorsill.

3.26.8 Refrigeration/Heating Unit- The following applies:

- (a) A front mounted diesel powered refrigeration/heating unit *shall* be provided;
- (b) The unit *shall*^(E) be single phase, 5.0 hp w/Cycle Sentry 230V and 60Hz (Voltage/Phase frequency of 230/1/60). The unit *shall*^(E) be a Thermo-King Model MD-200;
- (c) The Diesel fuel to power the unit *shall* be supplied from the vehicle fuel tank;
- (d) Silicone hoses *shall* be provided;
- (e) The unit *shall*^(E) be mounted through the exterior front wall of the van body, centered above the cab roof;
- (f) The unit *shall* be completely enclosed and vented for cooling;

- (g) The wiring harness and fuel line ***shall*** be installed and secured in a suitable, protected location down the front wall of the van body;
- (h) The controls and gauges ***shall*** be mounted on the left front face of the van body and accessible by the driver from the cab through a remote control panel; and
- (i) An aluminum platform over the truck cab, with access steps (ladder), ***shall*** be provided to service the unit.

3.26.9 Mounting- The Body ***shall***:

- (a) Be mounted using the appropriate number of U-bolts or shear plates as required for the length of body being secured; and
- (b) Be mounted using a full-length hardwood spacer.

3.26.10 Features- The following ***shall*** be provided:

- (a) Heavy-duty rubber bumpers 102 mm (4 inches) deep at the rear corners;
- (b) LED exterior body lights, including backup lights; and
- (c) Four interior dome lights with flush mounted to the ceiling rub strips and a 15 minute, minimum, timer switch mounted in the right top rear inside the wall of the van body. All lights ***shall*** be LED. The switch ***shall*** be mounted in an area where it can be protected from damage.

4. QUALITY ASSURANCE PROVISIONS

4.1 Quality System Requirements- The Contractor's Quality System ***shall*** be in compliance with Quality Assurance Clause found in the Contract. The contractor ***shall*** be responsible for the Quality System. The Quality Assurance Representative (QAR) will assure that the contractor is providing a Quality System.

4.2 Performance and Verification Testing- The first system ***shall*** be examined and performance tested by the contractor, to ensure item by item conformance to specified requirements. The QAR and/or the Technical Authority may witness this testing and operate the system sufficiently to assess the handling characteristics.

APPENDIX-1 TO ANNEX “B”

CAB & CHASSIS – CONFIGURATION “A”

COMPLETE WITH A 4.8 M (16’) VAN BODY

TECHNICAL INFORMATION QUESTIONNAIRE

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

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

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

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

CONTRACTOR INFORMATION

Contractor Name _____

Proposal Date _____

Substitutes/Alternatives

Are any equipment substitutes/alternatives offered as *Equivalent*? YES NO

If yes, please identify all equipment substitutes/alternatives offered as *Equivalents* below:

SPECIFICATION PARAGRAPHS

Chassis - Make: _____, **Model:** _____, **Year:** _____

3.4 Performance – Proof of Compliance

Acceptable proof of compliance can consist of but is not limited to: A computer generated vehicle performance prediction analysis at GVWR.

The computer generated vehicle performance prediction analysis can be found in document(s): _____ page:

3.5 Ratings – Proof of Compliance

Acceptable proof of compliance can consist of but is not limited to: Chassis manufacturing bill of material sheet illustrations. This can be found in document(s): _____ page:

<u>CONFIGURATION “A”</u>				
<u>Paragraph</u>	<u>Description</u>	<u>Value</u>	<u>Document Name/Title</u>	<u>Page</u>
3.5 (a)	GVWR	_____kg		
	GAWR Front	_____kg		
	GAWR Rear	_____kg		

3.6 Dimensions – Proof of Compliance

WB, CA & AF chassis dimensions can be found in document(s): _____ page:

3.7 Engine– Proof of Compliance

Acceptable proof of compliance can consist of but is not limited to engine brochure, a computer generated vehicle performance prediction analysis with the hp information:

Engine hp & torque can be found in document(s): _____ page:

3.7.2(a) Fuel System– Proof of Compliance

Acceptable proof of compliance can consist of but is not limited : Chassis manufacturing bill of material sheet illustrations.

Fuel reservoir capacity can be found in document(s): _____ page:

3.8 Automatic Transmission– Proof of Compliance

Automatic transmission information can be found in document(s): _____ page:

3.10 Air Brakes - Not Applicable

3.10.1(a) Hydraulic Brake System– Proof of Compliance

Hydraulic brakes information can be found in document(s): _____ page:

3.11 Wheels and Tires - Proof of Compliance

Acceptable proof of compliance can consist of but is not limited to: Tire and wheel make, model & capacity information with corresponding specification sheets, etc.

Tire and wheel make, model & capacity can be found in document(s): _____ page:

3.16.1 Batteries - Proof of Compliance

Capacity can be found in document(s): _____ page:

3.20 Tuck-under Hydraulic Tailgate- Proof of Compliance

Acceptable proof of compliance can consist of but is not limited to tailgate brochure, etc

Tailgate information can be found in document(s): _____ page:

ITEM (I)

3.25 VAN BODY - 4.8 meter (16 feet)

Van Body - Make: _____, Model: _____

3.25.2 Dimensions- Proof of Compliance

Acceptable proof of compliance can consist of but is not limited to: Body manufacturing bill of material sheet illustrations. This can be found in document(s): _____ page:

3.25.3 Construction- Proof of Compliance

Acceptable proof of compliance can consist of but is not limited to: Body manufacturing bill of material sheet illustrations. This can be found in document(s): _____ page:

ITEM (II)

3.26 INSULATED VAN BODY – 6.7 meter (22 feet) Not Applicable

CAB & CHASSIS – CONFIGURATION “B”

COMPLETE WITH A 6.7 M (22’) INSULATED VAN BODY

TECHNICAL INFORMATION QUESTIONNAIRE

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

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

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

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

CONTRACTOR INFORMATION

Contractor Name _____

Proposal Date _____

Substitutes/Alternatives

Are any equipment substitutes/alternatives offered as *Equivalent*? YES NO

If yes, please identify all equipment substitutes/alternatives offered as *Equivalents* below:

SPECIFICATION PARAGRAPHS

Chassis - Make: _____, **Model:** _____, **Year:** _____

3.4 Performance – Proof of Compliance

Acceptable proof of compliance can consist of but is not limited to: A computer generated vehicle performance prediction analysis at GVWR.

The computer generated vehicle performance prediction analysis can be found in document(s): _____ page:

3.5 Ratings – Proof of Compliance

Acceptable proof of compliance can consist of but is not limited to: Chassis manufacturing bill of material sheet illustrations. This can be found in document(s): _____ page:

<u>CONFIGURATION “B”</u>				
<u>Paragraph</u>	<u>Description</u>	<u>Value</u>	<u>Document Name/Title</u>	<u>Page</u>
3.5 (a)	GVWR	_____kg		
	GAWR Front	_____kg		
	GAWR Rear	_____kg		

3.6 Dimensions – Proof of Compliance

WB, CA & AF chassis dimensions can be found in document(s): _____ page:

3.7 Engine– Proof of Compliance

Acceptable proof of compliance can consist of but is not limited to engine brochure, a computer generated vehicle performance prediction analysis with the hp information:

Engine hp & torque can be found in document(s): _____ page:

3.7.2(a) Fuel System– Proof of Compliance

Acceptable proof of compliance can consist of but is not limited : Chassis manufacturing bill of material sheet illustrations.

Fuel reservoir capacity can be found in document(s): _____ page:

3.8 Automatic Transmission– Proof of Compliance

Automatic transmission information can be found in document(s): _____ page:

3.10 Air Brakes– Proof of Compliance

Air brakes information can be found in document(s): _____ page:

3.10.1(a) Hydraulic Brake System - Not applicable

3.11 Wheels and Tires - Proof of Compliance

Acceptable proof of compliance can consist of but is not limited to: Tire and wheel make, model & capacity information with corresponding specification sheets, etc.

Tire and wheel make, model & capacity can be found in document(s): _____ page:

3.16.1 Batteries - Proof of Compliance

Capacity can be found in document(s): _____ page:

3.21 Tuck-under Hydraulic Tailgate- Proof of Compliance

Acceptable proof of compliance can consist of but is not limited to tailgate brochure, etc

Tailgate information can be found in document(s): _____ page:

ITEM (I)

3.25 VAN BODY - 4.8 meter (16 feet) Not Applicable

ITEM (II)

3.26 INSULATED VAN BODY – 6.7 meter (22 feet)

Van Body - Make: _____, Model: _____

3.26.2 Dimensions- Proof of Compliance

Acceptable proof of compliance can consist of but is not limited to: Body manufacturing bill of material sheet illustrations. This can be found in document(s): _____ page:

3.26.3 Construction- Proof of Compliance

Acceptable proof of compliance can consist of but is not limited to: Body manufacturing bill of material sheet illustrations. This can be found in document(s): _____ page:

3.26.8 Refrigeration/Heating Unit- Proof of Compliance

Refrigeration/heating unit rating and information can be found in document(s): _____ page:

DEFINITIONS

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

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