

**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**

<b>Title - Sujet</b> 48 PASSENGER BUSES	
<b>Solicitation No. - N° de l'invitation</b> W0113-12F003/B	<b>Date</b> 2012-10-15
<b>Client Reference No. - N° de référence du client</b> W0113-12F003	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HP-913-61372	
<b>File No. - N° de dossier</b> hp913.W0113-12F003	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-11-09</b>	<b>Time Zone Fuseau horaire</b> Eastern Standard Time EST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Seguin, Jean-Luc R.	<b>Buyer Id - Id de l'acheteur</b> hp913
<b>Telephone No. - N° de téléphone</b> (819) 956-3528 ( )	<b>FAX No. - N° de FAX</b> (819) 953-2953
<b>Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:</b>  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**

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

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## **PART 1 - GENERAL INFORMATION**

**This bid solicitation cancels and supersedes previous bid solicitation number W0113-12F003/A published 02 October 2012 wich closed 02 October 2012 at 2:00PM EDT.**

### **1. Security Requirement**

There is no security requirement associated with this requirement.

### **2. Requirement**

Canada is seeking proposals to procure Six (6) 48 passenger buses and related items as described in Annex "A" - Pricing and in accordance with Annex "B" - Purchase Description.

### **3. Debriefings**

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

### **4. Interpretation**

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

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## PART 2 - BIDDER INSTRUCTIONS

### 1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the Standard Acquisition Clauses and Conditions (<http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp>) Manual issued by Public Works and Government Services Canada.

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

The 2003 **(2012-07-11)** Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 4 of Section 01 - Code of Conduct and Certifications of 2003 (2012-07-11) Standard Instructions is amended as follows:

Bidders should provide, with their bid or promptly thereafter, a complete list of names of all individuals who are currently directors of the Bidder. If such a list has not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to provide such a list within the required time frame will render the bid non-responsive. Bidders must always submit the list of directors before contract award.

Canada may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form - PWGSC-TPSGC 229) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

The text under Subsection 5 of Section 01 - Code of Conduct and Certifications of 2003 referenced above is replaced by:

The Bidder must diligently maintain the list up-to-date by informing Canada in writing of any change occurring during the validity period of the bid, and must also provide Canada, when requested, with the corresponding Consent Forms. The Bidder will also be required to diligently maintain the list and when requested, provide Consent Forms during the period of any contract arising from this bid solicitation.

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

**Delete:** sixty (60) days

**Insert:** ninety (90) days

## **2. Submission of Bids**

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

## **3. Enquiries - Bid Solicitation**

All enquiries must be submitted to the Contracting Authority no later than **seven (7) calendar days** before the bid closing date. Enquiries received after that time may not be answered.

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

## **4. Applicable Laws**

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

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

## **5. Improvement of Requirement During Solicitation Period**

Should bidders consider that the specifications, Statement of Work or Purchase Description contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the

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W0113-12F003/B

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

hp913

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

W0113-12F003

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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.

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## **PART 3 - BID PREPARATION INSTRUCTIONS**

### **1. Bid Preparation Instructions**

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

Section I: Technical Bid ( 2 hard copies);

Section II: Financial Bid ( 1 hard copy);

Section III: Certifications and Additional Information (2 hard copies).

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

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

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

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

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

### **2. Section I: Technical Bid**

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

Bidders must complete and submit by the bid closing date and time the following;

- 1) Appendix “1” - Technical Information Questionnaire;



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## 2.1 Substitutes and Alternatives

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

2.1.1 Substitutes and alternatives that are equivalent in form, fit, function and performance will be considered for acceptance by the Technical Authority where the Bidder:

- (a) Clearly identifies a substitute and/or an alternative;
- (b) Designates the brand name, model and/or part number of the substitute and/or of the product, where applicable;
- (c) States that the substitute product is fully interchangeable with the item specified in the technical requirement description;
- (d) Provides complete specifications and brochures, where applicable;
- (e) Provides compliance statements that include technical details showing the substitute and/or the alternative meet all technical requirements specified in the technical requirement description; and
- (f) Clearly identifies those areas in the technical requirement description and in the brochures that support the substitute and/or the alternative compliance with the technical requirements.

2.1.2 Substitutes and alternatives offered as equivalent in form, fit, function and performance will not be considered for acceptance by the Technical Authority if:

- (a) The bid fails to provide all of the information requested to allow the Technical Authority to fully evaluate the evaluate the equivalency; or
- (b) The substitute and/or the alternative fail to meet or fail to exceed the technical requirements specified in the technical requirement description.

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

### 3. Section II: Financial Bid

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

#### 3.1 Exchange Rate Fluctuation

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

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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, C3020C, C3025C, or C3030C.

#### **4. Section III: Certifications and Additional Information**

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

##### **4.1 Additional Information**

Canada requests that bidders submit the following information:

###### **4.1.1 Delivery**

While delivery of the vehicle is requested by 31 March 2013, the best delivery that can be offered is as follows:

Item 001 – Six (6) 48 passenger buses and related items will be delivered within \_\_\_\_\_ calendar days from the effective date of the contract.

###### **4.1.2 Manufacturer's Standard Warranty Period**

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

## **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

### **1. Evaluation Procedures**

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

### **2. Technical Evaluation**

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

- Appendix 1 - Technical Information Questionnaire; and
- Annex “B” - Purchase Description.

### **3. Financial Evaluation**

- 3.1 The purpose of the financial evaluation is to determine the lowest price using the information submitted in Annex “A” - Pricing.
- 3.2 Bids will be evaluated on an aggregate price basis for the items and quantities.
- 3.3 Any **Extended Warranty Period** offered will not be included in the financial evaluation and further negotiations may be required.

### **4. Basis of Selection**

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

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## **PART 5 - CERTIFICATIONS**

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

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

### **1. Code of Conduct Certifications - Certifications Required Precedent to Contract Award**

- 1.1 Bidders should provide, with their bids or promptly thereafter, a complete list of names of all individuals who are currently directors of the Bidder. If such a list has not been received by the time the evaluation of bids is completed, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Bidders must submit the list of directors before contract award, failure to provide such a list within the required time frame will render the bid non-responsive.

The Contracting Authority may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form - PWGSC-TPSGC 229) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

### **2. Certifications Precedent to Contract Award**

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

## 2.1 Federal Contractors Program - \$200,000 or more

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

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

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

The Bidder or the member of the joint venture

- (a) ( ) is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada;
- (b) ( ) is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;
- (c) ( ) is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC (having not bid on

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requirements of \$200,000 or more), in which case a duly signed certificate of commitment is attached;

- (d) ( ) is subject to the FCP, and has a valid certificate number as follows:  
\_\_\_\_\_ (e.g. has not been declared an ineligible contractor by HRSDC.)

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

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

## **PART 6 - RESULTING CONTRACT CLAUSES**

### **1. Security Requirement**

There is no security requirement associated with this requirement.

### **2. Requirement**

2.1 The Contractor must deliver six (6) 48 passenger buses and related items as described in Annex "A" - Pricing and in accordance with Annex "B" - Purchase Description.

2.2 **Optional Extended Warranty Period (if applicable)**

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

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

### **3. Standard Clauses and Conditions**

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

#### **3.1 General Conditions**

**2010A (2012-07-16) General Conditions - Goods (Medium Complexity)**, apply to and form part of the contract.

Subsection 4 of Section 29 - Code of Conduct and Certifications of 2010A (2012-07-16) General Conditions - Goods is amended as follows:

During the entire period of the Contract, the Contractor must diligently update, by written notice to the Contracting Authority, the list of names of all individuals who are directors of the Contractor whenever there is a change. As well, whenever



requested by Canada, the Contractor must provide the corresponding Consent Forms.

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

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

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

All other provisions of the warranty section remain in effect.

#### **4. Term of Contract**

##### **4.1 Delivery of Vehicles**

Delivery date of the vehicle must be made as follows:

Item 001 - 48 passenger buses and related items must be delivered on or before \_\_\_\_\_ (Date 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: Jean-Luc Séguin

Title: Supply Specialist  
 Organization: Public Works and Government Services Canada - Acquisitions Branch  
 LEFT Directorate, HP Division,  
 7A2, Place du Portage, Phase 3, 11 Laurier Street, Gatineau Quebec,  
 K1A 0S5  
 Telephone: 819 956-3528  
 Facsimile: 819 953-2953  
 E-mail: jean-luc.seguin@pwgsc-tpsgc.gc.ca

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

## 5.2 Procurement Authority

The Procurement Authority for the Contract is:

Name: \_\_\_\_\_ (To be inserted by PWGSC at time of contract award.)  
 Title: \_\_\_\_\_  
 Organization: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Telephone: \_\_\_\_-\_\_\_\_-\_\_\_\_  
 Facsimile: \_\_\_\_-\_\_\_\_-\_\_\_\_  
 E-mail: \_\_\_\_\_

The Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Contract. The Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Contract. The Contractor may discuss administrative matters identified in the Contract with the Procurement Authority however the Procurement Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of Work can only be made through a contract amendment issued by the Contracting Authority.

## 5.3 Technical Authority:

The Technical Authority for the Contract is:

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

Title: \_\_\_\_\_

Organization: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_ - \_\_\_\_ - \_\_\_\_

Facsimile: \_\_\_\_ - \_\_\_\_ - \_\_\_\_

E-mail: \_\_\_\_\_

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

#### 5.4 Contractor's Representative

Name and telephone number of the person responsible for :

##### General enquiries

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Telephone: \_\_\_\_ - \_\_\_\_ - \_\_\_\_

Facsimile: \_\_\_\_ - \_\_\_\_ - \_\_\_\_

E-mail: \_\_\_\_\_

##### Delivery follow-up

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Telephone: \_\_\_\_ - \_\_\_\_ - \_\_\_\_

Facsimile: \_\_\_\_ - \_\_\_\_ - \_\_\_\_

E-mail: \_\_\_\_\_

#### 5.5 After Sales Service

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

**Item 001**

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Distance between the delivery location and the dealer and/or agent: \_\_\_\_\_km

**6. Payment****6.1 Basis of Payment - Firm Unit Price(s)**

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

Basis of Payment (BOP) Type 1: Firm unit prices in Canadian dollars, Delivered Duty Paid at destination, Incoterms 2000, including Canadian Custom Duties and Excise Taxes included where applicable, Goods and Services tax/Harmonized Sales Tax extra.

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

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

**6.2 SACC Manual Clauses**

H1000C Single Payment

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. Invoices cannot be submitted until all work identified in the invoice is completed.

Each invoice must be supported by:

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

- 7.2 Invoices must be distributed as follows:

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

Base Transport Finance Section

Building O-95  
CFB Borden  
Borden, ON  
LOM 1C0

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

### 7.3 Holdback

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

Goods and Services Tax or Harmonized Sales Tax (GST/HST), as applicable, must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no GST/HST payable as it was claimed and payable under the previous invoice.

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

## 8. Certifications

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

## 9. Applicable Laws

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

## 10. Priority of Documents

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

- (a) the Articles of Agreement;
- (b) 2010A (2012-07-16) General Conditions - Goods (Medium Complexity);
- (c) Annex "A" - Pricing;
- (d) Annex "B" - Purchase Description
- (e) Appendix 1- Technical Information Questionnaire
- (f) 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	2011-05-16
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 is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection

Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

### **13. Preparation for Delivery**

The vehicle / equipment must be serviced, adjusted and delivered in condition for immediate use. The interior and exterior must be cleaned before leaving the factory and being released to DND personnel at the final delivery location.

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

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

### **14. Shipping Instructions - Delivery at Destination**

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:



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

Attention: DLP \_\_\_\_\_

- (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.

## **17. Progress Reports**

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

Each progress report must address the following questions:

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

## **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. (2012 model-year or later).

## **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 48 Passenger Bus

The Contractor must deliver the vehicle/equipment including the operator's manuals, parts manuals, maintenance (shop repair) manuals, data summary, photographs, warranty letter(s), preventative maintenance replacement parts kit list, special tools/Diagnostic Equipment list and line setting ticket in accordance with the attached Annex "B" - Purchase Description

The buses and related items must be delivered to:

CFB Borden  
Major Equipment Section  
Building O-111  
Borden, ON  
LOM 1C0

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: Six (6)

### Item 002 Optional Extended Warranty Period

Optional warranty coverage available: YES \_\_\_\_\_ NO \_\_\_\_\_

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

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

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

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

**ANNEX “B”**

**PURCHASE DESCRIPTION**

**FOR**

**BUS, MOTOR, DED, REAR ENGINE, 48-PAX,**

**4X2 DUAL W/UNDER-BODY STORAGE COMPARTMENTS,**

Department of National Defence  
15 October, 2012

## **1 Scope**

**1.1 Scope** This purchase description describes the requirements for a minimum 48 passenger bus, based on a flat nose commuter bus chassis, diesel engine driven, 4X2, w/dual wheels and under-body pass through luggage storage compartments. The bus will be used to transport up to 48-adult passengers, complete with luggage for distances up to 300-miles.

**1.2 Instructions** - The following instructions and definitions apply to the interpretation of this purchase description and Equipment Package Annexes:

- (a) Mandatory requirements are identified by the word "**shall**". Deviations will not be permitted.
- (b) Requirements identified by "should" **shall** be satisfied, however alternative means will be considered, but must be accepted by the Technical Authority 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 form, fit, function and performance as applicable.
- (c) In this document "provided" **shall** mean "provided and installed".
- (d) Where a standard or specification is required and the bidder offers an equivalent, that equivalent standard **shall** be provided upon demand.
- (e) Where equipment certification to an SAE standard is required, the bidder **shall** provide the certification upon request.
- (f) The term "Quality Assurance Representative" is defined as the government officer responsible for ensuring that material and services supplied by the contractor conform to the specified requirements.
- (g) The term "Technical Authority" is defined as the government officer responsible for technical management of this requirement. The Technical Authority is the Director Support Vehicles Program Management.
- (g) Dimensions stated as nominal **shall** be treated as approximate dimensions. Nominal dimensions reflect a method by which materials or products are generally identified for sale commercially, but which differ from the actual dimensions.

**1.2.1 Technical Information Questionnaire(s)** - The following applies:

- (a) The bidder **shall** complete a Technical Information Questionnaire. Failure to provide specified brochures, performance analysis, drawings, curves or tables may render the proposal non-compliant.
- (b) A nil response to a Technical Information Questionnaire question may be considered non-compliant. Any deviation from the purchase description **shall** be listed in the Conformance Certificate.

## **2 Applicable Documents**

**2.1 Publication** The following document forms part of this purchase description. Effective dates are those in effect on the date of manufacture. Source is as shown:

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

Canadian Government Publishing Centre  
Supply and Services Canada  
Ottawa, Canada, K1A 0S9

**2.2 Other Publications** The following documents form part of this purchase description. Effective dates **shall** be those in effect on the date of manufacture. Sources are as shown:

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

Standards Council of Canada, International  
Standardization Branch, 350 Sparks St.,  
Suite 1200, Ottawa, Ontario K1P 6N7

### **3 Requirements**

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

- (a) **Shall** be manufacturer's latest model.
- (b) **Shall** have demonstrated industry acceptability by having been manufactured and sold commercially, or, objective evidence of the vehicle/equipment's capability to satisfy performance requirements **shall** be provided with the proposal.
- (c) **Shall** 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) **Shall** 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) **Shall** not have system and component capacities increased above published ratings (i.e. product or component brochures).
- (f) Should include all components, equipment and accessories normally supplied for the model offered, although they may not be specifically described in this Purchase Description.

**3.2 Operating Conditions** The vehicle, under all load conditions, **shall** operate as follows without degradation in performance, reliability and maintainability:

- (a) The vehicle **shall** operate safely and efficiently on paved roads, gravel roads, dirt roads with severe washboard and potholes and off-road terrain. The vehicle will also operate in areas with severe

grades and switchback turns. Conditions include year round operation on snow, mud and ice.

- (b) The vehicle **shall** operate safely and efficiently in the temperature range of –37°C to 37°C (-34°F to 98°F).
- (c) The vehicle **shall** operate safely and efficiently with the GVWR/GCWR specified under all operating conditions.

**3.3 Vehicle Safety Regulations** The vehicle **shall** meet the applicable provisions of the Canada Motor Vehicle Safety Act and the Regulations made thereunder, in effect on the date of manufacture of the vehicle.

**3.4 Human Engineering and Safety** The following applies:

- (a) All systems and components should be safe and easy to use by a 5-95<sup>th</sup> percentile male or female under all operating conditions.
- (b) Entry and exit points **shall** be equipped with handles and steps suitably positioned where required, to accommodate a 5-95<sup>th</sup> percentile male or female under all operating conditions.
- (c) Safety features such as warning and instruction plates, non-slip surfaces and heat shields **shall** be provided where required.

**3.5 Maintainability** All maintenance and repair tasks, especially routine operator maintenance, should be easy to perform with a minimum of special tools and skills.

**3.6 Payload and Weight Rating**

**3.6.1 Payload** The bus **shall** be capable of transporting minimum of 48-adult passengers with luggage.

**3.7 Dimensions** The following nominal dimensions **shall** be provided:

- (a) Wheelbase of 6,578-mm (259-inches).
- (b) Overall exterior length 12,065-mm (475-inches).
- (c) Exterior width of 2,438-mm (96-inches).
- (d) Interior head room at the longitudinal centerline of 1,955-mm (77-inches).

**3.8 Performance**

**3.8.1 Speed** The bus with rated payload should achieve a speed of at least 110-kph (68-mph) on good roads.

**3.8.2 Gradability/Stall Gradability** The loaded vehicle **shall** achieve a gradability of 1.2% at 90-km/h (56-mph). The loaded vehicle should have a first gear stall gradability of 25%.

### **3.9 Chassis and Power Train Systems**

#### **3.9.1 Engine Systems** The following **shall** be provided:

- (a) A turbocharged, electronically controlled, rear chassis mounted diesel engine.
- (b) The engine power should be at least 285-horsepower.
- (c) A magnetic oil pan drain plug should be provided.
- (d) A fan shroud.
- (e) An attachable winter front.
- (f) A computer generated performance prediction program based on GVWR such as Allison SCAAN or a Technical Authority approved equivalent should be provided for review with the bid submission.

#### **3.9.2 Cold Weather Starting Aid** - One of the following **shall** be provided:

- (a) An ether injection system with the following features.
  - i A thermostatically controlled safety shut-off device to prevent the injection of starting fluid into a hot air intake.
  - ii An automatic control, enabling operation only when the starter is engaged.
  - iii An easily accessible starting fluid reservoir, changeable without special tools.
- (b) An air intake heater system.

#### **3.9.3 Block Heater** A minimum 120-volt, 1,250-watt block heater **shall** be provided.

#### **3.9.4 Cooling System** The following **shall** be provided:

- (a) A temperature controlled fan w/nylon blades.
- (b) Silicone or green stripe II hoses with constant tension spring type hose clamps.
- (c) Antifreeze suitable for the specified operating conditions.

#### **3.9.5 Filtration Systems** The following **shall** be provided:

- (a) A fuel filter/water separator incorporating a thermostatically controlled heater to prevent freezing.
- (b) A replaceable dry type air filter.
- (c) An air cleaner restriction indicator.



- (d) Spin off replaceable oil, coolant and fuel filters.

**3.9.6 Fuel system** The following shall be provided:

- (a) A fuel tank with a minimum capacity of 378 litres (100 US gals).
- (b) A fuel heater, Webb or Arctic Fox or a Technical Authority Approved Equivalent.
- (c) A fuel cap with chain.
- (d) A fuel tank water drain.

**3.9.7 Transmission** The following applies:

- (a) A fully automatic transmission shall be provided. The transmission should be a 5 forward-speed Allison model 3000 PTS or a Technical Authority approved equivalent.
- (b) **The transmission/engine shall be programmed to prohibit the fast idle from engaging when the transmission is in gear and the parking brake is applied.**
- (c) **The transmission/engine shall be programmed to prohibit the transmission from engaging when the fast idle is engaged and the parking brake is applied.**
- (d) An oil filter shall be provided.

Note: An Allison Performance scan shall be provided to insure engine, transmission and axle ratio are all capable to provide the best in performance and fuel economy.

**3.9.8 Steering** Power steering with a tilt and telescopic steering column shall be provided.

**3.9.9 Brakes** The following shall be provided:

- (a) A four-channel anti-lock brake system (ABS).
- (b) S-Cam type air brakes.
- (c) Brake housing dust shields.
- (d) Automatic slack adjusters.
- (e) Front and rear wheel visual brake stroke indicators, which should be a "Stop R" system, or a Technical Authority approved equivalent.
- (f) A heated automatic moisture-expelling valve shall be provided.
- (g) The wet tank shall be capable of being recharged using a glad hand. All air tanks should be

equipped with pull type drain connected with cable that can be reached from outside of the bus.

- (h) An automatic heated air dryer. The air dryer **shall** be a Bendix Model AD 9 or a Technical Authority approved equivalent.
- (i) A minimum .367 cu m/min (13.2 cfm) compressor **shall** be provided.

**3.9.10 Tires and Wheels** The following **shall** be provided:

- (a) 11 R 22.5, load range H 16 ply tubeless steel belted radial tires.
- (b) Mud/snow tires on the rear axles. The tires should be Michelin XDE M/S or Technical Authority approved equivalent.
- (c) 8.25 X 22.5 hub pilot mounted disc wheels. The disc wheels including the spare **shall** be interchangeable front and rear
- (d) A spare wheel and tire assembly.
- (e) All wheel assemblies balanced to preclude shimmy at all speeds.

**3.9.11 Suspension and Axles** The following **shall** be provided:

- (a) Air suspension on front and rear axle.
- (b) Automatic height control valve (s).
- (c) Double acting shock absorbers on all axles.
- (d) A no spin differential.
- (e) A front axle capacity of 6,622 kg (13,200 lbs).
- (f) A rear axle capacity of 10,432 kg (23,000 lbs).
- (g) Front hubs **shall** be oil lubricated

**3.9.12 Frame** The frame **shall** be reinforced at the towing points and be suitable for the application.

**3.9.13 Exhaust System** The exhaust **shall** be vented to the rear of the bus.

**3.10 Cab and Chassis Systems**

**3.10.1 Cab Features** The following **shall** be provided:

- (a) A flat nose bus type vehicle.
- (b) Fully adjustable interior sun visor(s).

- (c) A coat hook(s) for the driver, conveniently located in the driver's area.
- (d) Tinted glass in all windows.
- (e) Two heavy duty, adjustable, electric windshield fans, equipped with blade guards, for the left side windshield. One located in the upper left corner of the left side windshield and the other located in the centre of the base of the windshield. The fans will be used to augment the windshield defrosting system.
- (f) One interior light to illuminate the driver's area.
- (g) A fold-down, transparent, tinted sun visor located above the left, driver's side window.
- (h) A locking driver's area compartment.

**3.10.2 Driver's Seat** The following shall be provided:

- (a) Premium high back air suspended driver's seat with cloth inserts, upper and lower air lumbar support, air side bolster, adjustable arm rests on both sides and swivel feature.
- (b) Retractable shoulder/lap belt assemblies, adjustable up and down on the post for adjustable height, for the driver's seat.

**3.10.3 Mirrors** The following with nominal dimensions shall be provided:

- (a) Two sets of top mounted, moulded mirrors, each consisting of one 9 x 10 inch flat, heated, power operated mirror and one adjustable 4 x 6 inch convex mirror mounted above the large mirrors on the left and right sides of the bus.
- (b) A cross view stainless steel mirror mounted on the right front corner.
- (c) One interior, adjustable, rear view mirror, measuring approximately 6 x 10 inches mounted in the driver's compartment and positioned to allow the driver full view of the interior of the coach. The mirror should have protected edges.
- (d) Replaceable heads or glass.

**3.10.4 Instruments** The following shall be provided:

- (a) A tachometer.
- (b) An odometer.
- (c) A coolant temperature gauge.
- (d) A transmission temperature gauge.

- (e) An oil pressure gauge.
- (f) A voltmeter or ammeter.
- (g) Air Pressure gauges measured in Pounds per Square Inch (PSI).

**3.10.5 Warning Devices** The following **shall** be provided:

- (a) A warning light for low oil pressure.
- (b) A warning light for high coolant temperature.
- (c) A warning light for high transmission temperature.
- (d) A warning light and audible warning device to indicate unlatched doors and/or emergency exits.
- (e) An audible backup warning device.

**3.10.6 Controls** The following **shall** be provided:

- (a) Fast idle control, with manual on/off, and equipped with an automatic on/off switch that disengages when the brakes are applied or the transmission selector is moved into gear.
- (b) The fast idle feature **shall** be configured so as not to allow the fast idle to be engaged when the transmission is in gear and the parking brake is applied.
- (c) Cruise Control.
- (d) An AM/FM radio w/CD player, PA system and satellite capable.
- (e) A total of ten deluxe speakers should be mounted on the ceiling in the passenger area including two in the drivers area. The radio should be equipped with a volume and fader control for the speakers in the passenger area and separate volume control for the speakers in the driver's area.
- (f) One set of two air horns mounted on the same pedestal. Snow shields **shall** be provided if the horns are fully exposed to the elements.
- (g) Intermittent windshield wipers.
- (h) Electric windshield washers.
- (i) Volume controls for the radio system within an easy reach of the driver.
- (j) Reading map light switch installed on dash and within an easy reach of the driver.
- (k) Colour LCD reverse camera system.

### **3.11 Electrical System**

**3.11.1 Electrical System Features** The following shall be provided:

- (a) A minimum 270-amp alternator.
- (b) A 12-VDC power outlet with surge protection.
- (c) Remote boosting studs.
- (d) All wiring, including the bus body, protected by insulating grommets where passing through metal.
- (e) All electrical circuits, including the bus body, protected with fuses, relays or circuit breakers.

**3.11.2 Batteries** Heavy-duty maintenance free batteries shall be provided, and should have a minimum total capacity of 2,700-CCA.

**3.11.3 Lighting** The lighting system shall use LED lights. The lighting system should include:

- (a) Halogen headlights.
- (b) Clearance, stop, tail and turn signal and licence plate lights.
- (c) A stoplight mounted center and at least at eye level on the rear of the bus.
- (d) Amber rear turn signal lights and mid ship left and right turning/clearance lights.
- (e) Bumper mounted fog lights, inset into the bumper if available.
- (f) Lights and reflectors shock mounted, recessed or otherwise protected from damage.
- (g) An engine compartment light.
- (h) An appropriate number of flush mounted, centre aisle, ceiling lamps with independent switches convenient to the driver. The ceiling lamps should minimize glare to the driver.
- (i) Individually controlled passenger reading lights, one per seating position, located under the overhead parcel rack. Lights should be fully adjustable to meet individual focus requirements.
- (j) A protected stepwell light mounted in the right hand front part of the stepwell. The light should be energized when any door is opened or the interior lights are energized.
- (k) Under-body luggage compartment lights activated through pin switches when the doors are opened, or by an illuminated master light switch located in the driver's compartment.
- (l) Exterior mounted door light for loading at night.

### **3.12 Body/Special Equipment**

**Note: The following is provided as a guide, systems that are equivalent to or exceed the following requirements will be acceptable. All dimensions are considered nominal dimensions, unless otherwise specified.**

**3.12.1 Body Type** The body shall be based on a rear engine style bus design.

**3.12.2 Body Construction** The following applies:

- (a) Exterior Side Panels/Floor - The following applies,
  - i Outside side panels shall be constructed of 16 gauge steel and include formed flutes for additional strength. Rear corner panels shall be constructed of 20 gauge steel.
  - ii Side panels shall extend from below the side windows to a distance of 19 ¾ inches below the floor, (19 ¾ inch skirt).
  - iii The engine compartment door shall be constructed of .190 inch aluminum and equipped with acoustical panels to reduce engine noise.
  - iv The front roof cap shall be formed of 18 gauge steel, and the rear roof cap shall be formed of 20 gauge steel.
  - v Roof sheets shall be 20 gauge steel sheet and span the entire width of the bus, window header to window header, and include an embossed rain visor over the side windows.
  - vi Front cowl panels shall be constructed of 16 gauge steel.
  - vii Floor panels shall be constructed of 14 gauge steel and reinforced with full width “U” channel cross members, and all riveted floor joints shall be reinforced with full width 3/16 x 1½ inch structural steel angles.
- (b) Inner Panels - The following applies:
  - i A removable 18 gauge steel front upper inner panel shall be provided to allow access to the front roof cap area.
  - ii A removable 20 gauge steel rear upper inner panel shall be provided to allow access to the rear roof cap area.
  - iii Left and right removable 22 gauge wire moldings shall be provided to allow access to body wiring harnesses.
  - iv 20 gauge texturized aluminized steel inside side panels shall be provided and extend from the window sill down to the floor gusset seat ledge for the entire length of the body on both left and right sides.

- v Head lining panels ***shall*** span the entire width of the bus, window header to window header, and be constructed of 22 gauge steel and be double hemmed to provide additional joint strength.

(c) **Insulation/Noise Reduction** The walls, ceiling and floor ***shall*** be insulated as follows,

- i All insulating materials should be environmentally friendly as well as chemical and flame resistant.
- ii The rear cross-seat area separating the engine and interior passenger compartment should be heavily insulated to minimize vibration and noise.
- iii The flooring should be 5/8" inch plywood with a continuous sound resistant underneath steel barrier.
- iv Sound deadening steel perforated and acoustic headlining insulation should be used throughout the bus.
- v Fibreglass insulation installed on hat channels and between frame areas.
- vi The exterior rear fibreglass cap inner surface and top of coolant recovery tank coated sprayed-in foam insulation to a thickness of 38-mm (1.5 inches).
- vii Insulating material applied to the underside of the floor construction and over the axles to reduce the transfer of heat, cold and tire noise to the interior of the bus.
- viii The roof insulated with 38-mm (1.5 inches) of fibreglass which is compressed when the interior panels installed.
- ix The sidewalls insulated with 38-mm (1.5 inch) foamed rigid block installed between frame members.

**3.12.3 Under-Body Pass-Through and Rear Luggage Compartments** The following ***shall*** be provided:

- (a) Two under-body, pass-through storage units.
- (b) The combined storage space should be approximately 260-cu ft.
- (c) All under-body compartment doors should be capable of swinging upwards approximately 135° to the fully open position, be equipped with weather proof seals, flush mounted, lockable, slam latches and a holding open device(s) to allow the door(s) to be held in the fully open position.
- (d) The compartments should be sprayed with X- Box Liner or a Technical Authority Approved Equivalent and lined with a tough perforated vinyl matting such as Dry-Dek® vinyl flooring mat or Technical Authority Approved Equivalent.
- (e) Rear luggage compartment above rear engine. Compartment to have solid divider wall

with hinged access door between rear row seating.

**3.12.4 Heating, Ventilation and Air Conditioning Systems (HVAC)** The following shall be provided:

- (a) **Fuel Fired Coolant Heater** The following applies
  - i A Hydronic 10 (or technical authority approved equivalent) coolant heater with booster pump to assist circulation of heated engine coolant. shall be provided. The heater should have a capacity of 45,000-Btu. The heater will be used to heat the passenger compartment as well as act as a coolant heater for the engine,
  - ii The fuel drawn from the vehicle fuel tank,
  - iii Temperature controls and a 7-day timer, and
  - iv The exhaust directed away from critical areas such as wiring.
- (b) **Engine Coolant Space Heaters**, utilizing recirculating air and having the following nominal ratings shall be provided,
  - i 90,000-Btu front system w/defroster duct,
  - ii 50,000-Btu stepwell heater, and
  - iii 4 x 54,000-Btu rear under seat heaters.
- (c) **Air Conditioning System** An air conditioning system with the following features shall be provided:
  - i An environmentally friendly fluid such as R134A should be provided.
  - ii A minimum total capacity of 126,000 BTU/hour should be provided
  - iii System to be individually ducted to overhead louvers. Air outlets, one per seat, should be located to evenly distribute cool air to the passengers and driver.

**3.12.5 Passenger Seating** The bus shall be equipped with forward facing seating to accommodate 48 adult passengers. The seats should have the following features:

- (a) Freedman “Family Seat”, forward facing, high back, reclining, with vinyl inserts covered seats with pivoting arm rests and foot rests to accommodate 48 adult passengers. The rear row of four seats shall be non-reclining but of the same quality as the reclining seats.
- (b) The seats shall be approximately 889 mm (35 inches) wide and spaced approximately 812 mm (32 inches) apart as measured from the rear of one backrest to the rear of the next.

Note: A detailed line drawing, with dimensions, for the proposed bus interior shall be provided at bid



closing.

**3.12.6 Interior Features** The following shall be provided:

- (a) Overhead ducted parcel racks with reading lights and adjustable louvers, one per seat. The front corners of the racks shall be rounded to prevent head injury and sturdy enough to also serve as standee rails. The parcel rack shall be covered with mesh nets to secure items from falling from the racks.
- (b) Grey ribbed rubber/vinyl floor covering for the center aisle and steps.
- (c) A handrail located on the right side of the entrance door to assist passengers entering and exiting the bus.
- (d) A clear Plexiglas divider with curtain, located rear of the driver's seat. The installation of the divider shall not interfere with the front passenger seat clearance.
- (e) Side wall carpeting on both sides.

**3.12.7 Doors, Windows and Emergency Exits** The following shall be provided:

- (a) The Passenger Door shall be air/electric operated, outward opening located forward of the front axle on the right side of the bus. The door shall include a side window and a curb window. All door windows shall be thermal pane, AS-2 tempered safety glass. An entrance door header pad shall be provided.
- (b) The **Side Windows** in driver area and the passenger compartment shall be shatter proof, thermal pane, AS 2, tempered safety glass and have the following features:
  - i. The passenger compartment shall be equipped with tinted 12 inch split sash thermo windows.
  - ii. There shall be three emergency exit push out units on each side of the bus.
- (c) Two roof mounted **Emergency Escape Hatches** shall be provided. The emergency escape hatches shall measure 584 mm (23 inches) by 584 mm (23 inches) nominal. Each hatch shall include a built in ventilation fan.

### **3.13 Miscellaneous Equipment**

**3.13.1 Equipment Location** All systems and components shall be properly located and/or protected from road hazards such as water, mud and gravel.

**3.13.2 Recovery/Tow Points** Two front and two rear tow hooks or loops of sufficient strength to permit the recovery of the fully loaded vehicle shall be provided.

**3.13.3 License Plate Holders** Front and rear holders shall be provided.

**3.13.4 Mud Flaps / Rear Wheel Rubber Splash Guards** The following applies:

- (a) Mud flaps shall be provided behind the front and rear wheels.
- (b) The rubber splashguards installed on all wheel stations shall be provided.

**3.13.5 Wheel Changing Tool** Wheel changing tools including two wheel chocks and a heavy-duty jack, capable of lifting the vehicle shall be provided.

**3.13.6 Emergency Equipment** The following shall be provided:

- (a) A 10 unit First Aid kit, stowed in the general proximity of the driver.
- (b) Two triangular emergency warning flares complete with storage container.
- (c) One fireman's axe, securely mounted and readily accessible in the proximity of the driver.
- (d) Two dry chemical type fire extinguishers, securely mounted and in proximity of the driver, each with a minimum 5BC rating.

**3.13.7 Destination Sign** A front mounted, glass enclosed, illuminated, single destination sign, approximate size, 152 mm by 914 mm (6 inches by 36 inches). The sign shall list the name of the home base of the particular bus in both English and French.

**3.14 Commercial Paint and Corrosion Protection**

**3.14.1 Paint Finish** The following applies:

- (a) The vehicle including the cab, chassis and variant systems shall be painted 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 shall be provided on all ferrous metals. This shall be followed by two coats of paint.
- (c) A cleaning and etching treatment plus primer followed by two coats of paint shall be provided on all aluminum components.
- (d) A clear exterior grade sealer shall be applied on all wooden surfaces.

**3.14.2 Paint Colour** The following shall be provided:

- (a) White with green decal stripes applied on exposed exterior surfaces as per attached diagram.
- (b) The Canada decals on both sides and the rear of the bus (See attached Canadian Forces Technical Order (CFTO) - Instructions for Placard Procedure – School Type Bus).

- (c) Chassis items painted black. Chromed, polished and mill finished surfaces **shall** not be painted.

**3.14.3 Cab and Chassis Corrosion Protection System** The following **shall** be provided for the cab and chassis:

- (a) In addition to standard factory rust proofing, aftermarket rust proofing **shall** be provided. The treatment will normally be applied within the first year of service. The treatment date will be directed by the Technical Authority to optimize seasonal rust prevention benefits. If not demanded prior to delivery, a pre-paid certificate authorizing treatment at an aftermarket outlet **shall** be provided with the vehicle.
- (b) Metal surfaces treated with a rust preventive oily film product having the following properties:
- i Moisture displacing.
  - ii Creeping (capillary action).
  - iii Low solvent content.
  - iv Compatibility with rubbers, plastics and all other materials used in automotive construction.
  - v Non toxic.
  - vi Minimal dripping.
- (c) Written proof of a twelve hour ASTM B117 salt spray endurance test certification by an independent test laboratory. Krown Rust Kontrol and Rust Check products have been accepted as certified, proof not required.
- (d) The application includes, but is not limited to the underside of fenders and hood, enclosed and boxed-in sections, seams, moldings, crevices, weld points, underbody and exposed exterior brackets.
- (e) A decal and warranty papers should accompany each vehicle.

**3.14.4 Corrosion Resistant Materials** The following applies:

- (a) Stainless steel, zinc plated or hot dipped galvanized fasteners should be provided.
- (b) The design of the vehicle should prevent galvanic corrosion.

### **3.15 Miscellaneous**

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

- (a) Manufacturer, model, model year and serial number.
- (b) GAWR and GVWR.

**3.15.2 Warning and Instruction Plates** The following applies:

- (a) All plates **shall** be within easy view of the user.
- (b) Instructions for engine starting, transmission operation, variant operations and any other special procedures to be followed **shall** be provided.
- (c) International symbols and/or bilingual markings **shall** be provided.

**3.15.3 Lubricants and Fluids** The following applies:

- (a) The vehicle **shall** be serviced with standard lubricants and fluids compatible with the delivery location and season.
- (b) The engine **shall** be capable of operating on SAE 15W40 SF/CD Oil.

**3.16 Bid Package Additional information** The following **shall** be provided:

- (a) Up-to-date brochures and other applicable information.
- (b) Details on the warranty, including all separate component warranties.

**3.17 Deliverable Information** – The Contractor **shall** provide the Deliverable Information in accordance with the terms of the contract:

- (a) **Equipment Manuals** – The following manuals **shall** be provided:
  - i. **Operator’s Manuals** – Operator’s manuals **shall** be furnished in a bilingual format or as 2 manuals in a single binder (one English, one French). The operator’s manual **shall** contain the following information:
    - 1. Instructions for the safe operation of the vehicle.
    - 2. Daily operator maintenance instructions/checks (including lubrication).
    - 3. Safety Warnings.
    - 4. Hand signals (as necessary).
  - ii. **Parts Manuals** – The Parts Manuals **shall** be in English (French translation is desirable). The Parts Manuals **shall** contain the following information:
    - 1. Illustrations showing all components of the vehicle including Equipment and accessories from other manufacturers that is supplied against the requirements of

the contract. The illustrations **shall** have numbers for the itemization of the parts.

2. A listing for all itemized parts showing the manufacturer's part numbers (including Original Equipment Manufacturer's) of the illustration, the part name and a brief description of the item.
  3. Cross reference relating all part numbers (including Original Equipment Manufacturer's) to the correct figure and item number.
- iii. **Maintenance (Shop Repair) Manuals** - The Maintenance (Shop Repair) Manual **shall** be in English (French translation is desirable). The Maintenance (Shop Repair) Manuals **shall** contain the following information:
1. A trouble shooting guide, showing the steps and tests required to determine the exact cause of a problem and an explanation of what steps would be required to correct a problem.
  2. A listing of the necessary tolerances, torque levels, fluid volumes required. A section listing any special tools (including item part numbers) required **shall** be included.
  3. Information on the order of disassembly and assembly of the systems and components of the vehicle.

**NOTE:** Manuals on CD/DVD-ROM will be acceptable.

- (b) **Data Summary** – The Contractor **shall** provide a Data Summary to the Technical Authority. 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.
- (c) **Photographs** – The contractor **shall** provide the Technical Authority with two (2) digital pictures, one of the left front three-quarter view, and one of the right rear three-quarter view. All pictures should be taken with a clear uncluttered background. The picture size should 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.
- (e) **Preventive Maintenance Replacement Parts Kit List** - The Contractor **shall** be provide to the Technical Authority a listing of the parts that are required to perform preventive maintenance to the vehicle for a period of 6 months. Components such as fan belts and fuses should be included. The list **shall** include, as a minimum, the following elements:
  - i. Part description.

- ii. Original Equipment Manufacturer Part number.
  - ii. Suggested quantity.
  - iii. Unit cost.
- (f) **List of Special Tools / Diagnostic Equipment** – The Contractor **shall** provide a list detailing the special tools required for the vehicle that would not be included in a mechanics toolbox including special diagnostic tools. This would include items such as special wrenches, or extraction devices and diagnostic tools. Tooling list **shall** be provided with a cost break down and itemized for both operator and technician requirements.
- i. **List of Diagnostic Equipment** - The manufacturer **shall** provide a listing of specialized diagnostic equipment required to trouble shoot power train and electrical system malfunctions. Should the diagnostic test equipment require the use of a lap top style computer to interface with the test equipment, the bidder should supply a Panasonic Toughbook-30 complete with carrying case, interconnecting cables, battery, an operating system (installed) that is compatible with the diagnostic software, and associated accessories required to function with the diagnostic test equipment or Technical Authority Approved Equivalent. Should the bidder offer an equivalent to the requested computer system, the bidder **shall** provide prove that the equivalent offered has been successfully tested to MIL-STD-810F.
  - ii. The manufacturer **shall** provide specialized diagnostic software programming required to trouble shoot power train and electrical system malfunctions.
- (h) **Line Setting Ticket** – The Contractor **shall** provide a Line Setting Ticket, or equivalent, describing the components provided on bus. One copy of the Line Setting Ticket **shall** accompany each completed bus to the final delivery point. One copy of the Line Setting Ticket **shall** be forwarded to the Technical Authority.

#### **4 Quality Assurance Provisions**

**4.1 Quality System Requirements** The Quality System for the work described herein **shall** be in compliance with the standard as detailed in the Contract. The contractor **shall** be responsible for the Quality System. The DND Quality Assurance Representative (QAR) will assure that the contractor is providing a Quality System. Workmanship, finish and conformance with best trade practices will be assessed.

**4.2 Performance and Verification Testing** Unless otherwise indicated the first vehicle to be delivered **shall** be examined and performance tested by the contractor, under real or equivalent load and operating conditions, to ensure item by item conformance to specified requirements. The QAR and/or the Technical Authority will witness this testing and may operate the unit sufficiently to assess the handling characteristics.

## APPENDIX 1

### TECHNICAL INFORMATION QUESTIONNAIRE

#### DETACH, COMPLETE, AND RETURN

#### 1. SCOPE

**1.1 SCOPE** This Questionnaire covers technical information, which shall be supplied by each bidder. This information is required for technical assessment of equipment offered.

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

#### PURCHASE DESCRIPTION PARAGRAPHS

**3.1 Standard Design** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

(a) Make and Model \_\_\_\_\_  
Model Year \_\_\_\_\_

**3.2 Operating Conditions** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

**3.3 Vehicle Safety Regulations** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

**3.4 Human Engineering Safety** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

**3.5 Maintainability** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

**3.6 Payload and Weight Rating** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

	<u>Front</u>	<u>Rear</u>	<u>Total</u>
Total Curb Weight	_____	_____	_____
Maximum Payload	_____	_____	_____
Total Gross Weight	_____	_____	_____

**Weight Rating** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

(a) Gross Vehicle Weight Rating (GVWR)\_\_\_\_\_

(b) Gross Axle Weight Rating (GAWR) – Front\_\_\_\_\_

(c) Gross Axle Weight Rating (GAWR) – Rear\_\_\_\_\_

**3.7 Dimensions** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

(a) Wheelbase (WB)\_\_\_\_\_

(b) Exterior Body Length\_\_\_\_\_

(c) Exterior Body Width\_\_\_\_\_

(d) Interior Headroom\_\_\_\_\_

Overall Exterior Height\_\_\_\_\_

**3.8 Performance** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.8.1 Speed**\_\_\_\_\_

**3.8.2 Gradability**\_\_\_\_\_

**3.9 Chassis and Power Train**

**3.9.1 Engine Systems** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

(a) Engine - Make, Model and Rating\_\_\_\_\_

**3.9.2 Cold Weather Starting Aid** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

Starting Aid - Make, Model and Capacity\_\_\_\_\_

**3.9.3 Block Heater** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

Block Heater - Make, Model and Capacity\_\_\_\_\_

**3.9.4 Cooling System** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

Cooling System Capacity\_\_\_\_\_



**3.9.5 Filtration System** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

(a) Fuel Filter/Water Separator - Make and Model\_\_\_\_\_

(b) Air Filter - Make and Model\_\_\_\_\_

**3.9.6 Fuel System** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

(a) Fuel Tank Capacity\_\_\_\_\_

**3.9.7 Transmission** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

(a) Transmission - Make, Model and Type\_\_\_\_\_

Torque Converter - Make and Model\_\_\_\_\_

**3.9.8 Steering** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

Power Steering - Make and Model\_\_\_\_\_

**3.9.9 Brakes** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

(a) Front Brakes - Make, Model and Size\_\_\_\_\_

Rear Brakes - Make, Model and Size\_\_\_\_\_

(h) Air Dryer - Make and Model\_\_\_\_\_

(i) Air Compressor - Make, Model and Capacity\_\_\_\_\_

**3.9.10 Tires and Wheels** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

(a) Front Tires - Make, Model and Size\_\_\_\_\_

Rear Tires - Make, Model and Size\_\_\_\_\_

(c) Front Wheels - Make, Model and Size\_\_\_\_\_

Rear Wheels - Make, Model and Size\_\_\_\_\_

**3.9.11 Suspension and Axles** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

(a) Rear Suspension - Make, Model and Capacity \_\_\_\_\_

Front Suspension - Make, Model and Capacity \_\_\_\_\_

Rear Axle - Make, Model and Capacity \_\_\_\_\_

Front Axle - Make, Model and Capacity \_\_\_\_\_

**3.9.12 Frame** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

Frame Description \_\_\_\_\_

---

**3.9.13 Exhaust System** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

### **3.10 Cab and Chassis Systems**

**3.10.1 Cab Features** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

**3.10.2 Seats** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

Driver's Seat - Make and Model \_\_\_\_\_

**3.10.3 Mirrors** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

(a) Exterior Mirrors - Make, Model and Size \_\_\_\_\_

(c) Interior Mirror - Make, Model and Size \_\_\_\_\_

**3.10.4 Instruments** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

**3.10.5 Warning Devices** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

**3.10.6 Controls** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

(d) AM/FM Radio w/CD Player - Make and Model \_\_\_\_\_

(k) Colour LCD reverse camera system - Make and Model \_\_\_\_\_

### **3.11 Electrical System**

**3.11.1 Electrical System Features** - As specified? Yes \_\_\_\_\_ No \_\_\_\_\_

(a) Alternator - Make, Model and Output \_\_\_\_\_

**3.11.2 Batteries** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

Batteries - Make, Model and Capacity\_\_\_\_\_

**3.11.3 Lighting** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.12 Body/Special Equipment**

**3.12.1 Body Type** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.12.2 Body Construction** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.12.3 Under-Body Luggage Compartments** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

(a) Under-Body Compartment - Capacity\_\_\_\_\_

**3.12.4 (HVAC)** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

(a) **Fuel Fired Coolant Heater** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

Heater - Make, Model and Capacity\_\_\_\_\_

Heater Timer - Make, Model and Capacity\_\_\_\_\_

(b) **Engine Coolant Space Heaters** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

i Front System – Rating(s)\_\_\_\_\_

ii Stepwell Heater – Rating\_\_\_\_\_

iii Under Seat Heaters – Rating\_\_\_\_\_

(c) **Air Conditioning System** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

Air Conditioner - Make, Model and Capacity\_\_\_\_\_

**3.12.5 Passenger Seating** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

(a) Seats - Make, Model and Description\_\_\_\_\_

\_\_\_\_\_

(b) Seat Dimensions and Spacing\_\_\_\_\_

**3.12.6 Interior Features** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.12.7 Doors, Windows and Emergency Exits** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

(a) **Right Front Door** Description\_\_\_\_\_

\_\_\_\_\_

(b) **Side Windows** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

Windows - Make, Model and Description\_\_\_\_\_

(c) **Emergency Escape Hatch** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

Escape Hatch - Make, Model and Description\_\_\_\_\_

**3.13 Miscellaneous Equipment**

**3.13.1 Equipment Location** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.13.2 Recovery/Towing Points** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.13.3 License Plate Holders** -As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.13.4 Mud Flaps/Rear Wheel Rubber Splash Guards** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.13.5 Wheel Changing Tools** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.13.6 Emergency Equipment** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.13.7 Destination Sign** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.14 Paint and Corrosion Protection**

**3.14.1 Paint Finish** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.14.2 Paint Colour** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.14.3 Crrosion Protection System** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.14.4 Corrosion Resistant Materials** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.15 Miscellaneous 3.15.1 to 3.15.3** - As specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.16 Bid Package Additional Information** – Provided as specified? Yes\_\_\_\_\_No\_\_\_\_\_

**3.17 Deliverable Information**

(a) **Vehicle Manuals**

i **Operator's Manuals** - Will be provided as requested? Yes\_\_\_\_\_No\_\_\_\_\_

Are all required elements included? Yes\_\_\_\_\_No\_\_\_\_\_

ii **Parts Manuals** - Will be provided as requested? Yes\_\_\_\_\_No\_\_\_\_\_

- All required elements are included? Yes\_\_\_\_\_No\_\_\_\_\_

iii **Maintenance (Shop Repair) Manuals** Provided as requested? Yes\_\_\_\_\_No\_\_\_\_\_

- All required elements are included? Yes\_\_\_\_\_No\_\_\_\_\_

**CD/DVD-ROM** – In lieu of paper copies (except Operator's manual)? Yes\_\_\_\_\_No\_\_\_\_\_

- Will be provided as requested? Yes\_\_\_\_\_No\_\_\_\_\_

- All required elements are included? Yes\_\_\_\_\_No\_\_\_\_\_

(b) **Data Summary** - Will be provided as requested? Yes\_\_\_\_\_No\_\_\_\_\_

(c) **Photographs** – Will be provided as requested? Yes\_\_\_\_\_No\_\_\_\_\_

(d) **Warranty Notification Letter** – Will be provided as requested? Yes\_\_\_\_\_No\_\_\_\_\_

(e) **Preventive Maintenance Replacement Parts Kit List** -  
Provided as requested? Yes\_\_\_\_\_No\_\_\_\_\_

(f) **List of Special Tools / Diagnostic Equipment** – Will be provided as requested? Yes\_\_\_\_\_No\_\_\_\_\_

(g) **Line Setting Ticket** – Will be provided as requested? Yes\_\_\_\_\_No\_\_\_\_\_

[illegible]

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_