

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

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

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

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

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

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

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

Comments - Commentaires

Title - Sujet TORQUE WHEEL SENSORS	
Solicitation No. - N° de l'invitation K8A21-160415/A	Date 2015-10-06
Client Reference No. - N° de référence du client K8A21-160415	
GETS Reference No. - N° de référence de SEAG PW-\$\$HS-619-68114	
File No. - N° de dossier hs619.K8A21-160415	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-11-17	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: Vlahos, Helen	Buyer Id - Id de l'acheteur hs619
Telephone No. - N° de téléphone (819) 956-1107 ()	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**

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

Issuing Office - Bureau de distribution

Industrial Vehicles & Machinery Products Division
11 Laurier St./11, rue Laurier
7B1, Place du Portage, Phase III
Gatineau
Québec
K1A 0S5

Solicitation No. - N° de l'invitation

K8A21-160415/A

Amd. No. - N° de la modif.

File No. - N° du dossier

hs619K8A21-160415

Buyer ID - Id de l'acheteur

hs619

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

K8A21-160415

CCC No./N° CCC - FMS No/ N° VME

This page has been intentionally left blank

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION

- 1.1 Introduction
- 1.2 Summary
- 1.3 Trade Agreements
- 1.4 Debriefing

PART 2 - BIDDER INSTRUCTIONS

- 2.1 Standard Instructions, Clauses and Conditions
- 2.2 Submission of Bids
- 2.3 Enquiries - Bid Solicitation
- 2.4 Applicable Laws - Bid
- 2.5 Improvement of Requirement during Solicitation Period
- 2.6 Environmental Considerations

PART 3 - BID PREPARATION INSTRUCTIONS

- 3.1 Bid Preparation Instructions

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

- 4.1 Evaluation Procedures
- 4.2 Basis of Selection

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

- 5.1 Certifications Required with the Bid
- 5.2 Certifications Precedent to Contract Award and Additional Information

PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS

- 6.1 Security Requirement
- 6.2 Financial Capability

PART 7 - RESULTING CONTRACT CLAUSES

- 7.1 Requirement - Contract
- 7.2 Standard Clauses and Conditions
- 7.3 Term of Contract
- 7.4 Authorities
- 7.5 Payment
- 7.6 Invoicing
- 7.7 Certifications
- 7.8 Applicable Laws - Contract

Solicitation No. - N° de l'invitation

K8A21-160415/A

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

K8A21-160415

Amd. No. - N° de la modif.

File No. - N° du dossier

hs619K8A21-160415

Buyer ID - Id de l'acheteur

hs619

CCC No./N° CCC - FMS No./N° VME

- 7.9 Priority of Documents
- 7.10 SACC Manual Clauses
- 7.11 Inspection and Acceptance
- 7.12 Preparation for Delivery
- 7.13 Shipping Instructions - Delivery at Destination
- 7.14 Tools and Loose Equipment
- 7.15 Interchangeability
- 7.16 Environmental Considerations

Attachments

Annex A - Pricing

Annex B – Technical Specification of Wireless Wheel Torque Sensors

PART 1 - GENERAL INFORMATION

1.1 Introduction

The bid solicitation and resulting contract document is divided into seven (7) parts plus annexes as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications: includes the certifications to be provided;
- Part 6 Security, Financial and Other Requirements includes specific requirements that must be addressed by bidders; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The attachments include the Annex A - Pricing, Annex B – Technical Specification of Wireless Wheel Torque Sensors.

1.2 Summary

Environment Canada has a requirement to purchase four (4) Wireless Wheel Torque Sensors and ancillary items in accordance with Annex A – Pricing, and as described at Annex B- Technical Specification of Wireless Wheel Torque Sensors.

1.3 Trade Agreements

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), the Canada-Columbia Free Trade Agreement (CCOFTA), the Canada-Peru Free Trade Agreement (CPFTA), the Canada-Panama Free Trade Agreement (CPAFTA) and the Agreement on Internal Trade (AIT).

1.4 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within fifteen (15) working days from receipt of the results of the bid solicitation process. The debriefing may be provided in writing, by telephone or in person

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](#) issued by Public Works and Government Services Canada (PWGSC).

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

The 2003 (2015-07-03) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 05.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: Bids will remain open for acceptance for a period of not less than sixty (60) days from the closing date of the bid solicitation

Insert: Bids will remain open for acceptance for a period of not less than ninety (90) calendar days from the closing date of the bid solicitation

2.2 Submission of Bids

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

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing 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 questions is eliminated, and the enquiry can be answered to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

2.4 Applicable Laws - Bid

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

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

2.5 Improvement of Requirement During Solicitation Period

Should bidders consider that the technical specifications, 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) calendar days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

2.6 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:

The successful bidder will be requested, after contract award, to provide all correspondence including (but not limited to) documents, reports and invoices in electronic format unless otherwise specified by the Contracting Authority, or the Procurement Authority, thereby reducing printed material.

Bidders 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.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

First page of the Request for Proposal signed by the bidder or an authorized representative of the Bidder (1 signed copy)

Section I: Technical Bid (2 hard copies)

Section II: Financial Bid (1 hard copy)

Section III: Certifications (1 hard copy)

Section IV: Additional Information (1 hard copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

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 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Section I: Technical Bid

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

3.1.1 Substitutes and Alternatives

- 1. Substitutes and alternatives that are equivalent in form, fit, function, quality and performance will be considered for acceptance by the Technical Authority where the Bidder:
 - (a) Clearly identifies a substitute and/or an alternative;
 - (b) Designates the brand name, model and/or part number of the substitute and/or of the product, where applicable;

- (c) States that the substitute product is fully interchangeable with the item specified in the technical requirement description;
 - (d) Provides complete specifications and brochures, where applicable;
 - (e) Provides compliance statements that include technical details showing the substitute and/or the alternative meet all technical requirements specified in the technical requirement description; and
 - (f) Clearly identifies those areas in the technical requirement description and in the brochures that support the substitute and/or the alternative compliance with the technical requirements.
2. Substitutes and alternatives offered as equivalent in form, fit, function quality 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 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. Bidders are encouraged to offer or suggest green products whenever possible.


Section II: Financial Bid


Bidders must submit their financial bid in accordance with the Basis of Payment specified in Part 7 and Annex A - Pricing. The total amount of Applicable Taxes must be shown separately.

Bidders should complete Annex A, and submit it with their bid.

3.1.2 SACC Manual Clauses

3.1.2.1 Exchange Rate Fluctuation Risk Mitigation

1. The Bidder may request Canada to assume the risks and benefits of exchange rate fluctuations. If the Bidder claims for an exchange rate adjustment, this request must be clearly indicated in the bid at time of bidding. The Bidder must submit form [PWGSC-TPSGC 450](#) , Claim for Exchange Rate Adjustments with its bid, indicating the Foreign Currency Component (FCC) in Canadian dollars for each line item for which an exchange rate adjustment is required.
2. The FCC is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuations. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provision in the contract. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease).

4. At time of bidding, the Bidder must complete columns (1) to (4) on form [PWGSC-TPSGC 450](#) , for each line item where they want to invoke the exchange rate fluctuation provision. Where bids are evaluated in Canadian dollars, the dollar values provided in column (3) should also be in Canadian dollars, so that the adjustment amount is in the same currency as the payment.
5. Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

Section III: Certifications

Bidders must submit the certifications required under Part 5.

Section IV: Additional Information

Canada requests that bidders submit the following information:

3.1.3 Best Delivery Date – Bid

3.1.3.1 Firm Quantity

While delivery of the equipment/vehicle is requested by March 31, 2016, the best delivery that could be offered is as follows:

Item 001 – four (4) Wireless Wheel Torque Sensors and auxiliary items will be delivered within _____ weeks/calendar days from the effective date of the contract.

3.1.4 Supplier Contacts

Name and telephone number of the person responsible for:

General enquiries

Name: _____

Telephone No.: _____

Facsimile No.: _____

E-mail address: _____

Delivery follow-up

Name: _____

Telephone No.: _____

Facsimile No.: _____

E-mail address: _____

3.1.5 After Sales Service

Canada requests that the Bidder provide the names, addresses and telephone numbers of their dealers and/or agents authorized to provide after sales service, maintenance and warranty repairs, and a full range of repair parts for the vehicle/equipment offered. The Bidder should show the distance between the delivery location and the authorized dealer and/or agent and the delivery location, which should not be more than 100 kilometres.

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

Solicitation No. - N° de l'invitation

K8A21-160415/A

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

K8A21-160415

Amd. No. - N° de la modif.

File No. - N° du dossier

hs619K8A21-160415

Buyer ID - Id de l'acheteur

hs619

CCC No./N° CCC - FMS No./N° VME

Name: _____

Address: _____

Telephone No.: _____

3.1.6 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 or 2000 hours of usage, whichever comes first**. Any additional manufacturer's standard warranty such as those derived from the Original Equipment Manufacturer (OEM) for component/sub-assemblies will form part of the proposed contract.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

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

4.1.1 Mandatory Technical Evaluation Criteria

4.1.1.1 Mandatory Proof of Compliance

Bidders must submit, with their bid, all proof of compliance required in Annex B- Technical Specification of Wireless Wheel Torque Sensors.

4.1.1.2 Substitutes and/or Alternatives

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

4.1.2 Mandatory Financial Evaluation Criteria

4.1.2.1 Bidders must provide with their bid all financial information requested in the bid solicitation and at Annex A - Pricing for items 001.

4.1.2.2 The prices of the bid must be in Canadian dollars, DDP Delivered Duty Paid at destination, Incoterms 2000, for item 001 the firm quantity. Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

4.2 Basis of Selection

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

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Declaration of Convicted Offences

As applicable, pursuant to subsection Declaration of Convicted Offences of section 01 of the Standard Instructions, the Bidder must provide with its bid, a completed Declaration Form (<http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 General Environmental Criteria Certification

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

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

Bidders' Authorized Representative Signature

Date

or

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

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

Green Practices within the Bidders' organization	Insert a checkmark for each criterion that is met
Promotes a paperless environment through directives, procedures and/or programs	
All documents are printed double sided and in black and white for day to day business activity unless otherwise specified by your client	
Paper used for day to day business activity has a minimum of 30% recycled content and has a sustainable forestry management certification	
Utilizes environmentally preferable inks and purchase remanufactured ink cartridges or ink cartridges that can be returned to the manufacturer for reuse and recycling for day to day business activity.	
Recycling bins for paper, newsprint, plastic and aluminum containers available and emptied regularly in accordance with local recycling program.	
A minimum of 50% of office equipment has an energy efficient certification.	

Bidders' Authorized Representative Signature

Date

5.2.2 Integrity Provisions – List of Names

Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder.

Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).

Bidders bidding as societies, firms or partnerships do not need to provide lists of names.

5.2.3 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

Solicitation No. - N° de l'invitation

K8A21-160415/A

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

K8A21-160415

Amd. No. - N° de la modif.

File No. - N° du dossier

hs619K8A21-160415

Buyer ID - Id de l'acheteur

hs619

CCC No./N° CCC - FMS No./N° VME

(http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from [Employment and Social Development Canada \(ESDC\) - 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.

5.2.4 Additional Certifications Precedent to Contract Award

5.2.4.1 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

Solicitation No. - N° de l'invitation

K8A21-160415/A

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

K8A21-160415

Amd. No. - N° de la modif.

File No. - N° du dossier

hs619K8A21-160415

Buyer ID - Id de l'acheteur

hs619

CCC No./N° CCC - FMS No./N° VME

PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS

6.1 Security Requirement

There is no security requirement associated with this bid solicitation.

6.2 Financial Capability

SACC Reference

A9033T

Title

Financial Capability

Date

2012-07-16

PART 7 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

7.1 Requirement - Contract

The Contractor must deliver four (4) Wireless Wheel Torque Sensors and ancillary items, in accordance with Annex B- Technical Specification of Wireless Wheel Torque Sensors, dated 2015-06-04, and at Annex A - Pricing.

7.1.1 Technical Changes, Substitutes and Alternatives

Any technical changes, substitutes and alternatives proposed by the Contractor must be evaluated for acceptance by the Technical Authority. Any substitutes and alternatives must be equivalent in form, fit, function, quality and performance to what is being replaced and must be at no additional cost to Canada. Substitutes and alternatives that are offered as equivalent will only be acceptable once they are approved by the Technical Authority as an equivalent. A contract amendment or a completed Design Change/Deviation form will be issued.

Should the Technical Authority not accept the substitute or the alternative and the Contractor is unable to meet the technical requirement, Canada may terminate the contract for default in accordance with the general conditions stated in the contract.

7.2 Standard Clauses and Conditions

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

7.2.1 General Conditions

2010A (2015-09-03), General Conditions - Medium Complexity - Goods, apply to and form part of the Contract.

Section 09 entitled Warranty of General Conditions 2010A is amended as follows:

At subsection 1, delete the following: "The warranty period will be twelve (12) months" and replace with the following: "The warranty period will be twelve (12) months, or 2,000 hours of usage, whichever comes first".

Delete subsection 2 in its entirety and replace 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), Canada 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.

7.3 Term of Contract

7.3.1 Delivery Date

Delivery of the vehicle/equipment must be made as follows:

Firm Quantity

Item 001 – four (4) Wireless Wheel Torque Sensors and ancillary items must be delivered within to be inserted by PWGSC weeks/calendar days from the effective date of the contract.

7.4 Authorities

7.4.1 Contracting Authority

The Contracting Authority for the Contract is:

Helen Vlahos

Supply Specialist

Public Works and Government Services Canada

Acquisitions Branch

LEFTD - HS Division

Place du Portage, Phase III, 7B1

Gatineau, Quebec K1A 0S5

Telephone: 819-956-1107

Facsimile: 819-956-5227

E-mail address: helen.vlahos@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.

7.4.2 Procurement Authority

The Procurement Authority for the contract is:

To be inserted by PWGSC

Telephone: _____

Facsimile: _____

E-mail address: _____

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.

7.4.3 Technical Authority

The Technical Authority for the Contract is:

To be inserted by PWGSC

Telephone: _____

Facsimile: _____

E-mail address: _____

The Technical Authority 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.

7.4.4 Contractor's Representative

General enquiries

Name: To be inserted by PWGSC

Telephone No.:

Facsimile No.:

E-mail address:

Delivery follow-up

Name: To be inserted by PWGSC

Telephone No.:

Facsimile No.:

E-mail address:

7.4.5 After Sales Service

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

Distance between the delivery location and the dealer and/or agent: to be inserted by PWGSC km

Name:

Address:

Telephone Number:

7.5 Payment

7.5.1 Basis of Payment

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

7.5.1.1 Basis of Payment (BOP) Type 1

Firm lot prices in Canadian dollars, Delivered Duty Paid at destination, Incoterms 2000, including Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

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

7.5.2 SACC Manual Clauses

SACC Reference	Title	Date
C6000C	Limitation of Price	2011-05-16
H1000C	Single Payment	2008-05-12

7.5.3 Exchange Rate Fluctuation Adjustment

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

$$\text{Adjustment} = \text{FCC} \times \text{Qty} \times (i_1 - i_0) / i_0$$
 where formula variables correspond to:

FCC

Foreign Currency Component (per unit)

i_0

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



i_1

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

Qty

quantity of units

- The initial exchange rate is typically set as the noon rate as published by the Bank of Canada on the solicitation closing date.

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

7.6 Invoicing

7.6.1 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions.
2. Invoices cannot be submitted before delivery, inspection and acceptance of the vehicle/equipment/service.
3. The Applicable Taxes must be calculated on the total amount of the invoice before the holdback is applied. At the time the holdback is claimed, there will be no taxes payable as they were claimed and payable under the previous invoice for the vehicle/equipment/service.
4. Upon delivery, inspection and acceptance of all ancillary items related to such vehicle/equipment/service the Contractor can submit an invoice for the release of the holdback.
5. Each invoice must be supported by:
 - (a) a copy of the invoices, receipts, vouchers for all direct expenses, and all travel and living expenses;
6. The Contractor is requested to provide invoices in electronic format unless otherwise specified by the Contracting Authority or Procurement Authority, thereby reducing printed material.
7. Invoices must be distributed as follows:
 - (a) The original must be forwarded or emailed to the Procurement Authority identified under the section entitled "Authorities" of the Contract for acceptance and payment.

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

(c) One (1) copy must be forwarded to the consignee.

7.6.2 Holdback

1. Canada will apply a ten (10) percent holdback on any due payment for the vehicle/equipment/service (Item 001) until delivery, inspection and acceptance of all ancillary items related to such vehicle/equipment/service.
2. Subsequent to delivery, inspection and acceptance of all ancillary items related to such vehicle/equipment/service the Contractor must submit an invoice for the release of the Holdback in accordance with "Invoicing Instructions" found in this contract.

7.7 Certifications

7.7.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, 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.

7.8 Applicable Laws - Contract

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

7.9 Priority of Documents

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

- (a) the Articles of Agreement;
- (b) the 2010A (2015-09-03) General Conditions - Medium Complexity - Goods;
- (c) Annex A - Pricing;
- (d) Annex B – Technical Specification for Wireless Wheel Torque Sensors, dated 2015-06-04;
- (e) The Contractor's bid dated (to be inserted by PWGSC) _____, as amended (to be inserted by PWGSC) _____.

7.10 SACC Manual Clauses

SACC Reference	Title	Date
A1009C	Work Site Access	2008-05-12
A9049C	Vehicle Safety	2011-05-16
A9068C	Government Site Regulations	2010-01-11
G1005C	Insurance	2008-05-12

7.11 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 its representative. Should any report, document, good or service not be in accordance with the requirements of the Technical Specification 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.

7.12 Preparation for Delivery

1. The vehicle/equipment shall 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 the inspection authority or consignee at the final delivery location.
2. All vehicles/equipment are to be delivered by appointment only. Any attempt by the carrier to deliver the vehicles/equipment without an appointment may be refused. 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 any additional costs.

7.13 Shipping Instructions - Delivery at Destination

1. The Contractor must ship the goods prepaid DDP - Delivered Duty Paid (in accordance with Annex A - Pricing) as specified below. Unless otherwise directed, delivery must be made by the most economical means. The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including the payment of customs duties and Applicable Taxes.
2. The Contractor must deliver the goods by appointment only. The Contractor or its carrier must arrange delivery appointments by contacting the person identified in Annex A - Pricing. The consignee may refuse shipments when prior arrangements have not been made.

7.14 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 (CF1280) or on an attached packing note.

7.15 Interchangeability

Unless changes during the production run are authorized by the Contracting Authority, all vehicles/equipment 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.

7.16 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:

Solicitation No. - N° de l'invitation

K8A21-160415/A

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

K8A21-160415

Amd. No. - N° de la modif.

File No. - N° du dossier

hs619K8A21-160415

Buyer ID - Id de l'acheteur

hs619

CCC No./N° CCC - FMS No./N° VME

The Contractor is requested to provide all correspondence including (but not limited to) documents and reports in electronic format unless otherwise specified by the Contracting Authority, or the Procurement Authority, thereby reducing printed material.

The Contractor 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.

Solicitation No. - N° de l'invitation

K8A21-160415/A

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

K8A21-160415

Amd. No. - N° de la modif.

File No. - N° du dossier

hs619K8A21-160415

Buyer ID - Id de l'acheteur

hs619

CCC No./N° CCC - FMS No./N° VME

ANNEX A - PRICING

Item 001 – four (4) Wireless Wheel Torque Sensors (Firm Quantity)

The Contractor must deliver four (4) Wireless Wheel Torque Sensors and ancillary items such as but not limited to user technical/training manuals, in accordance with Annex B- attached Technical Specification of Wireless Wheel Torque Sensor.

The Wireless Wheel Torque Sensors and ancillary items must be delivered to:

335 River Road
Ottawa, Ontario
K1V 1C7

The contact person at destination is: (to be inserted by PWGSC).

Firm lot price of \$_____ per vehicle/equipment and ancillary items, Delivered Duty Paid (... named place of destination), in accordance with Part 7, Basis of Payment Type 1.

Manufacturer: (to be inserted by PWGSC) Model: (to be inserted by PWGSC)

Solicitation No. - N° de l'invitation

K8A21-160415/A

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

K8A21-160415

Amd. No. - N° de la modif.

File No. - N° du dossier

hs619K8A21-160415

Buyer ID - Id de l'acheteur

hs619

CCC No./N° CCC - FMS No./N° VME

Solicitation No. - N° de l'invitation

K8A21-160415/A

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

K8A21-160415

Amd. No. - N° de la modif.

File No. - N° du dossier

hs619K8A21-160415

Buyer ID - Id de l'acheteur

hs619

CCC No./N° CCC - FMS No./N° VME

Annex B

Technical Specification

of Wireless Wheel Torque Sensors - 2015-06-04

CONTENT

1.0 General	25
1.1 Scope of work	25
1.2 Documentation	25
1.2.1 National standards	25
1.2.2 Language	25
1.2.3 Project documents	25
2.0 Requirements.....	26
3.0 Delivery Conditions / Service	27
3.1 Service life, maintenance and repair service	27
3.2 Engineering Documentation	27

1.0 General

The wireless wheel torque sensors, mounting plates, sensor assembly, sensor transmitter housing, receivers, power supply and data acquisition unit(s) are hereafter referred to as wheel torque sensors, or WTS. They shall be designed and manufactured to measure wheel torque and wheel speed as per the specifications laid out in this document.

When the bidder is elaborating their bid, the present performance specification is to be used as a basis, including the options. The bidder has to explicitly acknowledge the specification. Partial bids will not be taken into consideration.

When producer specific or system related deviations occur with regard to the present Technical Specification, the bidder shall indicate it in written form. This also applies to deviations which constitute an improvement compared to the requirements described in the performance specification.

1.1 Scope of work

The contractor shall be responsible for the design, fabrication/construction and delivery of the WTS and all components required for the operation of the WTS.

1.2 Documentation

1.2.1 National standards

All applicable components of the WTS shall meet Canadian Standard Association (CSA) Standards. In addition, all installation and operation methods shall meet the Ontario Occupational Health and Safety Standards (OHS) (as laid out at the time of the delivery of the WTS).

1.2.2 Language

All documents, manuals, drawings, instructions, acceptance test reports and protocols shall be provided in English. An additional copy of deliverable documents (i.e. manuals) in French is preferred.

1.2.3 Project documents

All functions required in this specification shall be verified and recorded in written form by the manufacturer. Where applicable the contractor shall provide validated test reports.

During the bidding phase, the bidder shall submit the subsequent documents;

- Technical drawing of mounting plates, sensor assemblies and transmitter housing units
- Performance characteristics of the torque sensors
- Performance characteristics of the wheel speed sensors
- Performance characteristics of the transmitter(s), receivers, and data acquisition unit

2.0 Requirements

- 1) The contractor must provide the wheel torque sensors to the technical specifications as detailed in Table 1.
- 2) Four mounting plates, which will secure the torque sensors to the wheel-hubs are required, along with technical drawings of the mounting plates.
- 3) The output from the receiver must be convertible to a comma-separated-value (csv) file format, text (txt) file format, or, the bidder must include the cost of their software package in their bid. If the software package provided by the bidder is non-Windows based, this must be noted in their bid (Windows based software is preferred).
- 4) A user/technical/training manual must accompany the wheel torque sensors.
- 5) The bidder must be compliant with ISO17025 standards with regards to their proposed wheel torque sensor product.

Table 1: Torque Sensor and Related Equipment Specification Requirements

Number of Units	4
Full Scale Torque [Nm] Mz †	5000
Full Scale Torque [Nm] My †	Not required
Full Scale Torque [Nm] Mx †	Not required
Torque Sensor Hysteresis [%]	≤ 0.1 of FS*
Torque Sensor Repeatability [%]	≤ 0.1 of FS*
Torque Sensor non-linearity [%]	≤ 0.1 of FS*
Torque Sensor Temperature Drift [%/°C]	≤ 0.005
Over Range Protection [% FS]	≥ 150
Sensor Assembly Material	Titanium or Aluminum
Wheel Speed measurement	Required
Full scale Wheel Speed [rpm]	≥ 1300
Wheel Speed Accuracy [% FS*]	≤ 0.2
Update Rate per Signal [Hz]	≥ 30
Minimum Sensor Operation Temperature [°C]	≤ 0
Maximum Sensor Operation Temperature [°C]	≥ 50
Wheel Hub Adaptor	Required
Wheel Hub Dimension Tolerances [Inch]	≤ 0.01
Wheel Hub Material	304SS, 302SS or Grade 5 Titanium
Transmission from Sensor to Receiver	Wireless ‡
Transmission Range [m]	> 10
Receiver	Required
Receiver Output	RS-232, USB, SD or CF card
Receiver Sample Rate for all Torque Speed Signals [Hz]	≥ 20
Receiver Non-Linearity [%]	≤ 0.005
Receiver Temperature Drift [%/°C]	≤ 0.005
Receiver Power Requirements [AC/DC]	DC

† See Figure 1

* FS = Full Scale

‡ Wireless wheel torque measurement data is transmitted wirelessly from the wheel torque sensors to a data receiver onboard the vehicle

Figure 1: Wheel Axes Orientation

3.0 Delivery Conditions / Service

3.1 Service life, maintenance and repair service

- For the scope of repair work and spare parts provided the contractor will grant a warranty period of 1 year.
- The contractor guarantees the availability of all spare parts and the capability to perform repair work for at least 5 years after the expiration of the warranty period even in case that the production of the relevant type of WTS has been ceased in the meantime.
- The originally commissioned contractor of the WTS shall be responsible for the quality of the maintenance and repair service provided. The responsibility cannot be transferred to sub-contractors.
- The contractor is responsible for stockpiling spare parts. All spare parts can directly be ordered from the contractor.

3.2 Engineering Documentation

The scope of delivery comprises a detailed documentation of the complete WTS.

All documents, manuals, drawings, instructions, acceptance test reports and protocols shall be provided in English. The following will be provided to the customer by the contractor:

- Drawings: All drawings of the equipment shall be delivered as AutoCAD compatible, file format: *.dwg and pdf format
- Operating manual: The Operating Manual shall include the following as a minimum:
 - Installation procedures for all components of the WTC
 - Operating procedures for all components of the WTS
 - Description of equipment and functions
 - Overview of the operating functions as a flow diagram
 - A troubleshooting guide

Solicitation No. - N° de l'invitation

K8A21-160415/A

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

K8A21-160415

Amd. No. - N° de la modif.

File No. - N° du dossier

hs619K8A21-160415

Buyer ID - Id de l'acheteur

hs619

CCC No./N° CCC - FMS No./N° VME

- Contractor's (Manufacturer's) certificate according to ISO 17025
- Calibration instructions (if applicable) and reports
- Declaration of CSA (if applicable)