



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

**Bid Receiving
PWGSC
33 City Centre Drive
Suite 480C
Mississauga
Ontario
L5B 2N5
Bid Fax: (905) 615-2095**

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

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

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

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

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

Comments - Commentaires

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Public Works and Government Services Canada
Ontario Region
33 City Centre Drive
Suite 480
Mississauga
Ontario
L5B 2N5

Title - Sujet Aerosol Chemical Speciation Monitor	
Solicitation No. - N° de l'invitation K3D57-160671/A	Date 2016-01-06
Client Reference No. - N° de référence du client K3D57-160671	
GETS Reference No. - N° de référence de SEAG PW-\$TOR-201-7027	
File No. - N° de dossier TOR-5-38156 (201)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-02-16	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: Ramnarine, Vashti	Buyer Id - Id de l'acheteur tor201
Telephone No. - N° de téléphone (905) 615-2419 ()	FAX No. - N° de FAX (905) 615-2060
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: ENVIRONMENT CANADA 45 Alderney Dr.16th Floor, Queen Square, Dartmount, NOVA SCOTIA 4905 Dufferin St. Downview, ON	

Instructions: See Herein

Instructions: Voir aux présentes

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

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PART 1 - GENERAL INFORMATION

1.1. Requirement

The requirement is detailed under Article 2. Requirement of the resulting contract clauses.

1.2. Debriefings

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

1.3. Trade Agreements

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

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

Delete: 60 Days
Insert: 90 Days

2.2. Submission of Bids

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

2.3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) 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 question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is

eliminated, and the enquiry can be answered to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

2.4. Applicable Laws

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

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1. Bid Preparation Instructions

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

- Section I: Technical Bid (2 hard copies)
- Section II: Financial Bid (1 hard copy)
- Section III: Certifications (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) (<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.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with Annex B, Basis of Payment. The total amount of Applicable Taxes must be shown separately, if applicable.

3.1.1 Exchange Rate Fluctuation
C3011T (2013-11-06) Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications required under Part 5.

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 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

- (a) See Annex C.

4.1.2 Financial Evaluation

Mandatory Financial Criteria

4.1.2.1 Pricing must be submitted in Canadian currency in Annex B, Basis of Payment.

4.1.2.2 Evaluated Price will be in accordance with Annex B, Basis of Payment

4.1.2.3 The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included.

4.2. Basis of Selection - Mandatory Technical Criteria

- 4.2.1** A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated 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 constitutes 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](#), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – 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.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

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

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PART 6 - RESULTING CONTRACT CLAUSES

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

6.1. Security Requirement

There is no security requirement applicable to this Contract.

6.2. Requirement

The Contractor must provide the items detailed under the "Requirement" at Annex A.

6.3. 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* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

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

6.3.2 Supplemental General Conditions

4001 (2013-01-28) Hardware Purchase, Lease or Maintenance, apply to and form part of the Contract.
4003 (2010-08-16) Licensed Software, apply to and form part of the Contract.

6.4. Term of Contract

6.4.1 Delivery Date

All the deliverables (Item 1, 2 and 3 in Annex B) must be delivered on or before 31 March 2016.

All Training must be completed on or before 31 March 2017.

6.5. Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:
Vashti Ramnarine
Supply Officer
Public Works and Government Services Canada
Acquisitions Branch
33 City Centre Dr., Ste. 480
Mississauga, ON, L5B 2N5
Telephone: (905) 615-2419
Facsimile: (905) 615-2060
E-mail address: vashti.ramnarine@pwgsc.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

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work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Project Authority

The Project Authority for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: _____
Facsimile: _____
E-mail address: _____

The Project 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 Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: _____
Facsimile: _____
E-mail address: _____

6.6. Payment

6.6.1 Basis of Payment - Firm Lot Price(s)

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm lot prices, as specified in Annex B, Basis of Payment for a total cost of \$ _____. Customs duties are included, and Applicable Taxes are 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.

6.6.2 Multiple Payment

SACC Manual [clause H1001C](#) (2008-05-12) Multiple Payments

6.7. Invoicing Instructions

- A. 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.
- B. Invoices must be distributed as follows:

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- (i) The original and one (1) copy must be forwarded to the addresses as shown on page 1 of the contract for certification and payment.
- (ii) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.8. Certifications

6.8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing associated 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.

6.9. Applicable Laws

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

6.10. Priority of Documents

If there is a discrepancy between the wordings 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 general conditions 2010A (2015-09-03), General Conditions - Goods (Medium Complexity);
- (c) the supplemental general conditions 4001 (2013-01-28) Hardware Purchase, Lease or Maintenance;
- (d) the supplemental general conditions 4003 (2010-08-16) Licensed Software;
- (e) Annex A - Requirement;
- (f) Annex B - Basis of Payment;
- (g) the Contractor's bid dated _____.

6.11. Insurance

The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.

6.12. SACC Manual Clause

A9068C (2010-01-11) Government Site Regulation
D0018C (2007-11-30) Delivery and Unloading

ANNEX A REQUIREMENT

Title: Time-of-Flight Aerosol Chemical Speciation Monitor (tof-ACSM)

Requirement

For the supply, delivery, and training of two (2) Time-of-Flight Aerosol Chemical Speciation monitors for the Department of Environment.

Delivery instructions: one each to be delivered and invoiced to the addresses listed below:

1. Environment Canada: 45 Alderney Dr. 16th Floor, Queen Square, Dartmouth, NS, B2Y 2N6
2. Environment Canada: 4905 Dufferin Street, Downsview, Ontario, M3H 5T4

Background

Environment Canada (EC) requires an instrument known as the Time-of-Flight Aerosol Chemical Speciation Monitor (tof-ACSM) for real-time measurement of aerosol chemical composition. This particular tof-ACSM is to be deployed in a portable monitoring trailer for multi-year operation in many areas of Canada, such as the Oil Sands Region, to investigate emission, transport and transformation of aerosols related to air pollutant sources. The nature of operation at such monitoring locations requires the instrument to be able to detect low levels of various chemical species on the aerosols in real time with high time resolution. The instrument will support current and future work under Clean Air Regulatory Agenda (CARA) initiatives or similar EC programs.

The system must be in accordance with the following minimum specifications:

Mandatory Technical Requirement

- 1.0 Particle aerodynamic lens with a 0.1-1 μ m transmission range;
- 1.2 Tungsten made thermal vaporizer (operating at 600 degree Celsius) to ionize non-refractory particle material;
- 1.3 The detector must be time of flight mass spectrometer able to continuously scan mass spectrums from 0 up to a minimum of 400 amu with a minimum mass resolution of 300 m/ Δ m;
- 1.4 Ions must be generated using electron impact ionization technique operating at 70 eV
- 1.5. Detection limit of 0.2 μ g m⁻³ for 60 second averaging.

2. Computer System

- 2.0. Data acquisition computer and flat screen monitor
- 2.1 The most recent data acquisition and instrument control software and data analysis software tools
- 2.3 Integrated rack to hold the instrument and electronics in a compact configuration
- 2.4 Rugged, reusable shipping container for the instrument

3. Training

- 3.1 Training for up to two (2) people at the manufacturer's facility. Environment Canada (EC) will be responsible for all travel arrangements. Instrument training on a mutually agreeable date between the Contractor and EC's Project Authority

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ANNEX B

BASIS OF PAYMENT

Firm all inclusive lot price for the supply, delivery, and training of two (2) tof-ACSM System in accordance with Annex A. Prices are in **Canadian Funds**, FOB destination including all delivery charges, Canadian customs duties and excise taxes included as applicable. Goods and Services Tax/Harmonized Sales Tax Excluded.

Item No	Description	QTY	Firm Lot Price Per system	Extended Price
1	<p>For the supply, delivery, and training of two (2) tof-ACSM in accordance with the specification detailed in Annex A.</p> <p>Contractor must include any components, peripherals or supplies necessary to comply with the requirement and to operate the system upon delivery to Environment Canada's site.</p> <p>To be delivered and invoiced to the address listed below.</p> <p>Bidders must specify the make and model being offered. Manufacturer and Model Number(s)_____</p>	2	\$	\$
2	Delivery Charges for delivery to: Environment Canada: 45 Alderney Dr. 16 th Floor, Queen Square, Dartmouth, NS, B2Y 2N6	1	\$	\$
3	Delivery Charges for delivery to: Environment Canada: 4905 Dufferin Street, Downsview, Ontario, M3H 5T4	1	\$	\$
4	Training for up to two (2) people at the contractor's facility in accordance with Annex A		\$	\$
	For Financial Evaluation Purpose only: Evaluated Price = Sum of extended prices		\$	\$

ANNEX C

EVALUATION CRITERIA

Bidder must demonstrate their proposed system meets every mandatory technical criteria by providing either a concise and detailed response to each of the mandatory technical criteria in the bid. OR provide evidence including but not limited to instrument specification, publications, documented data or discussion points, to show that their proposed system meets each of the mandatory technical criteria. Simply stating that the mandatory technical criteria is met is not sufficient. Failure to demonstrate meeting all of the mandatory technical criteria will result in the bid being deemed non-responsive.

The bidder is encouraged to specify the page number on their technical document/specification/literature to show compliance with each mandatory technical criteria.

Mandatory Technical Criteria

Item	Description	Supporting information Page # in the bid
1	Bidder's Proposed Time-of-Flight Aerosol Chemical Speciation Monitor (tof-ACSM) Consists of:	
1.1	Particle aerodynamic lens with a 0.1-1µm transmission range	
1.2.	Tungsten made thermal vaporizer (operating at 600 degree Celsius) to ionize non-refractory particle material	
1.3	The detector must be time of flight mass spectrometer able to continuously scan mass spectrums from 0 up to a minimum of 400 amu with a minimum mass resolution of 300 m/Δm	
1.4	Ions must be generated using electron impact ionization technique operating at 70 eV	
1.5	Detection limit of 0.2 µg m ⁻³ for 60 second averaging	
2	Bidder's Proposed Computer System consists of:	
2.1	Data acquisition computer and flat screen monitor	
2.2	The most recent data acquisition and instrument control software and data analysis software tools	
2.3	Integrated rack to hold the instrument and electronics in a compact configuration	
2.4	Rugged, reusable shipping container for the instrument	