

**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> AUTOMATED THERMAL DESORBER		
<b>Solicitation No. - N° de l'invitation</b> 47064-147666/A	<b>Date</b> 2013-11-18	
<b>Client Reference No. - N° de référence du client</b> 1000317666		
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$PV-924-63919		
<b>File No. - N° de dossier</b> pv924.47064-147666	<b>CCC No./N° CCC - FMS No./N° VME</b>	
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2014-01-03</b>		<b>Time Zone</b> <b>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> Caron, Anne		<b>Buyer Id - Id de l'acheteur</b> pv924
<b>Telephone No. - N° de téléphone</b> (819) 956-3874 ( )	<b>FAX No. - N° de FAX</b> (819) 956-3814	
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> CANADA BORDER SERVICES AGENCY 79 BENTLEY AVE OTTAWA Ontario K1A0L8 Canada		

**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**

Scientific, Medical and Photographic Division / Division de  
l'équipement scientifique, des produits photographiques et  
pharmaceutiques  
11 Laurier St./ 11 rue, Laurier  
6B1, Place du Portage  
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</b> <b>(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**

### **1. Security Requirement**

There is no security requirement associated with this bid solicitation.

### **2. Requirement**

The requirement is detailed under Article 2.1 of the resulting contract clauses.

#### **2.1 Delivery Requirement**

Delivery must be completed by March 31, 2014.

### **3. Debriefings**

Bidders may request a debriefing on the results of 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.

## **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 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 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

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

Delete: sixty (60) days  
Insert: ninety (90) days

#### **1.1 SACC Manual Clauses**

B1000T (2007-11-30), Condition of Material

### **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 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 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.

## 5. 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

### 1. Bid Preparation Instructions

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

- Section I: Technical Bid (3 hard copies and 3 soft copies on CD)
- Section II: Financial Bid (1 hard copy and 1 soft copy on CD)
- Section III: Certifications (1 hard copy)
- Section VI: Additional Information (3 hard copies and 3 soft copies on CD)

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft 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 must 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 the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

#### **1.1 Prices**

Bidders must submit firm prices for all items listed at Annex "B" including optional Requirements. Failure to do so will render a bidder non-compliant and no further consideration will be given to bid.

#### **1.2 Exchange Rate Fluctuation**

C3011T (2010-01-11), Exchange Rate Fluctuation

### **Section III: Certifications**

Bidders must submit the certifications required under Part 5.

### **Section IV: Additional Information (*Bidder to complete*)**

The following applies to the Requirement and bidders must provide the following information in the bid where applicable:

#### **1.1 Product(s) Offered**

The Bidder must indicate the make and model number of the products offered (identify specific components which make up the system):

Name of Manufacturer: \_\_\_\_\_

Model/Part Number: \_\_\_\_\_

Bidder must include documentation within their submission identifying that the Bidder is the manufacturer of the proposed automated thermal desorber (ATD) unit or provide a letter from the manufacturer confirming that the Bidder is authorized to sell and service the proposed automated thermal desorber unit.

#### **1.2 Delivery**

Deliveries must be completed by March 31, 2014. The best delivery that could be offered by the Bidder is \_\_\_\_\_. Failure to deliver by March 31, 2014 will render a bidder non-compliant and no further consideration will be given to bid.

#### **1.3 Contractor's Representative**

The telephone number of the person responsible for:

General Enquiries

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

Telephone No.: \_\_\_\_\_

Facsimile No.: \_\_\_\_\_

eMail address: \_\_\_\_\_

#### Delivery & Follow-Up

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

Telephone No.: \_\_\_\_\_

Facsimile No.: \_\_\_\_\_

eMail address: \_\_\_\_\_

### 1.4 Installation and Inspection

On-site installation must be provided and must be carried out by a qualified service technician. The Contractor is responsible for coupling the automated thermal desorber unit to an Agilent 7890A GC-ECD/FID system.

The Contractor must provide to the CBSA a list of any specialized installation requirements for its proposed ATD unit (and, if applicable, associated software).

The Contractor must demonstrate that the automated thermal desorber unit adheres to all mandatory requirements stated in this RFP and those specifications for the equipment and software, if applicable, described by the Contractor in its proposal and that the ATD unit meets all manufacturers' specifications, and that the instrument is fully operational as required.

State your best installation and inspection schedule. Installation and inspection will be carried out within \_\_\_\_\_ calendar days of delivery and be completed within \_\_\_\_\_ calendar days. The installation of the ATD unit must be completed by March 31, 2014.

### 1.5 Technical Support

Purchase of the system must include:

- technical applications support during regular business hours, 8:00 AM to 5:00 PM, Eastern Standard Time, Monday through Friday, excluding statutory holidays.
- remote troubleshooting support with respect to operator correctable service problems, during regular business hours 8:00AM to 5:00PM, Eastern Standard Time, Monday through Friday, excluding statutory holidays.

The Bidder must have qualified technical service personnel available and must be able to respond to a call for service within one (1) Business Day. Where a request for service requires on-site services, the Contractor must be able to supply qualified technical service personnel on-site at the CBSA located at 79 Bentley Avenue, Ottawa, Ontario within three (3) Business Days of a call.

Also, provide the following with your bid:

- 
- a) Location of available service facilities (after sales service and repair). List the service facilities closest to the destination.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- b) Locations of available replacement parts from consumables to major components.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- c) Response time in regards to service calls, and escalation schedule, i.e. (how many days with no resolution to a problem until a more experienced person is called in, and from which location).
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- d) List the frequency of routine maintenance visits provided by a qualified service technician during the warranty period, if applicable and included in the price.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

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

### **1. Evaluation Procedures**

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

#### **1.1 Technical Evaluation**

All proposals submitted must be completed in full and provide all of the information requested in the Request for Proposal (RFP) package to enable a full and complete evaluation. The onus is on the bidder to provide all the information necessary to ensure a complete and accurate assessment.

##### **1.1.1 Mandatory Technical Criteria**

See Annex "A"

The Bidder must provide, with their technical bid, technical literature/brochures, operating manuals, written documentation, etc. to demonstrate compliance with each area of the criteria listed in Annex "A". Failure to provide the technical literature or failure to demonstrate compliance with any area of the criteria will in the Bid being deemed non-compliant.

#### **1.2 Financial Evaluation**

1. The price of the bid will be evaluated as follows:

- 
- a) bidders must submit firm prices, Canadian customs duties and excise taxes included, and Applicable Taxes excluded.
  - b) bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.
- 2. Prices will be evaluated on a FOB Destination.
  - 3. For the purpose of the bid solicitation, bidders with an address in Canada are considered Canadian-based bidders and bidders with an address outside of Canada are considered foreign-based bidders.

## 2. Basis of Selection

### 2.1 Mandatory Technical Criteria

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

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

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

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

## 1. Mandatory Certifications Required Precedent to Contract Award

### 1.1 Code of Conduct and Certifications - Related documentation

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

### 1.2 Federal Contractors Program for Employment Equity - Bid Certification

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



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

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

### **1. Security Requirement**

There is no security requirement applicable to this Contract.

### **2. Requirement**

#### **2.1 Requirement**

The Canada Border Services Agency (CBSA) has a requirement for the supply, delivery and installation of one (1) automated thermal desorber (ATD) to be delivered to Ottawa, ON.

The Contractor must provide the instrument in accordance with the Mandatory Specifications detailed in Annex "A".

#### **2.2 Installation and Inspection**

On-site installation must be provided and must be carried out by a qualified service technician. The Contractor is responsible for coupling the automated thermal desorber unit to an Agilent 7890A GC-ECD/FID system.

The Contractor must arrange with the CBSA a mutually acceptable date and time for the installation of the ATD unit. The installation of the ATD unit must be completed by March 31, 2014.

The Contractor must provide to the CBSA a list of any specialized installation requirements for its proposed ATD unit (and, if applicable, associated software).

The Contractor must demonstrate that the automated thermal desorber unit adheres to all mandatory requirements stated in this RFP and those specifications for the equipment and software, if applicable, described by the Contractor in its proposal and that the ATD unit meets all manufacturers' specifications, and that the instrument is fully operational as required.

#### **2.3 Operating Manuals**

The Contractor must provide one (1) complete set of instrument operating manuals for the ATD unit in the English language. The Contractor should provide one (1) complete set of instrument operating manuals for the ATD unit in the French language, if available.

#### **2.4 Software**

The Contractor must provide a licensed copy of the software for the ATD unit at no additional cost to the CBSA. The software license must be perpetual.

#### **2.4 Technical Support**

The Contractor must supply technical applications support during regular business hours, 8:00 AM to 5:00 PM, Eastern Standard Time, Monday through Friday, excluding statutory holidays.

The Contractor must supply remote troubleshooting support with respect to operator correctable service problems, during regular business hours 8:00AM to 5:00PM, Eastern Standard Time, Monday through Friday, excluding statutory holidays.

The Contractor must have qualified technical service personnel available and must be able to respond to a call for service within one (1) Business Day. Where a request for service requires on-site services, the Contractor must be able to supply qualified technical service personnel on-site at the CBSA located at 79 Bentley Avenue, Ottawa, Ontario within three (3) Business Days of a call.

### 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.

#### 3.1 General Conditions

2010A (2013-04-25), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

Subsection 9 of 2010A General Conditions - Goods or Services, is amended as follows:

Delete: Subsection 9 in its entirety.

Insert: "The Work is subject to inspection and acceptance by Canada. Despite prior acceptance of the Work and without restricting any conditions or warranty imposed by law, the Contractor, if requested by the Minister to do so, must replace, repair or correct at its option and its own expense any Work which becomes defective or which fails to conform to the Contract requirements, where applicable. For goods, **the on-site warranty period will be twenty-four (24) months after delivery and acceptance or the length of the Contractor's or manufacturer's standard warranty period, whichever is longer.** The on-site warranty covers parts, labour and all related expenses. Any Work replaced, repaired or corrected pursuant to this section is subject to all provisions of the contract to the same extent as Work initially performed."

### 4. Term of Contract

#### 4.1 Delivery Date

All the deliverables must be received on or before March 31, 2014.

### 5. Authorities

#### 5.1 Contracting Authority

**Anne Caron**

Public Works and Government Services Canada

Acquisitions Branch

Commercial Consumer Products Directorate

11 Laurier Street, 6A2, Phase III

Place du Portage, Hull, Quebec, K1A 0S5  
Telephone: (819) 956-3874  
Facsimile: (819) 956-3814  
E-mail address: anne.caron@tpsgc-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 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 Technical Authority

The Technical Authority for the Contract is: *(will be inserted at contract)*

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.

## 5.3 Contractor's Representative

The telephone number of the person responsible for: *(will be inserted at contract)*

## 6. Payment

### 6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm unit price as specified in Annex "B" for a cost of \$ *(will be inserted at contract)*. 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

### 6.2 Single Payment

SACC Manual clause H1000C (2008-05-12) Single Payment

## 7. Invoicing Instructions

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.

Invoices must be distributed as follows:

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

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

## **8. Certifications**

### **8.1 Compliance**

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

## **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) the general conditions 2010A (2013-04-25);
- (c) Annex A, Mandatory Specifications;
- (d) Annex B, Basis of payment
- (e) the Contractor's bid dated (insert date of bid)

## **11. SACC Manual Clauses**

SACC Manual clause B1501C (2006-06-16) Electrical Equipment  
 SACC Manual clause G1005C (2008-05-12) Insurance  
 SACC Manual clause B7500C (2006-06-16), Excess Goods

## **12. Shipping Instructions FOB Destination**

Goods must be consigned and delivered to the destination specified in the contract:

FOB Destination (Science and Engineering Directorate of the CBSA, 79 Bentley Avenue, Ottawa, Ontario, Canada K2E 6T7) as detailed in Annex "B" including all delivery charges and customs duties and taxes.

## ANNEX A

### SPECIFICATIONS FOR THE AUTOMATED THERMAL DESORBER

The supplied equipment and services must meet or better all of the requirements defined below. The supplied equipment is to be new, not used or refurbished. Systems not meeting all the following Mandatory Requirements will be considered non-compliant.

Bidder **must provide** with their proposal technical literature/brochures, operating manuals, written documentation (such as a description of system components and capabilities) etc to demonstrate compliance with each area of the criteria stated below at time of bid closing. Proposal evaluation will be based upon the information supplied with the bid only. Failure to demonstrate compliance with any area of the criteria will render your proposal non-responsive and no further consideration will be given. References are to be specific to supporting documentation (ex. document title, page and paragraph number). *Please note that compliance must be demonstrated (by submission of supporting documentation such as technical literature/brochures, operating manuals, written statement describing how requirement is met etc) and that if an offeror only states "comply" without any further detail, this is not considered as a demonstration compliance.*

Bidder must include documentation within their submission identifying that the Bidder is the manufacturer of the proposed automated thermal desorber (ATD) unit or provide a letter from the manufacturer confirming that the Bidder is authorized to sell and service the proposed automated thermal desorber unit.

These specifications describe the performance and design characteristics of a commercial ATD. The purpose of the acquisition is to collect vapours from different type of substances and transfer them in an automated manner from a sampling tube to a gas chromatograph system for unattended analysis.

Whether or not specified or described herein, any item, piece of equipment, materials and any labour or services necessary for the proper and safe operation of the automated thermal desorber unit to meet the intended use thereof, shall be deemed to be part of the Deliverables and shall be provided by the Contractor at no additional cost to the CBSA. The part of the Deliverables include the signal connection between the ATD and the GC system, and include the sample transfer line between the ATD and the GC system. Contractor shall obtain and pay for all necessary software licenses, permits, licenses, certificates and inspections required for the provision of the Deliverables.

Item #	MANDATORY SPECIFICATION - DESCRIPTION	Reference to bid document (document name, page, and paragraph number) (Bidder to complete)
1	The ATD must utilize two-stage thermal desorption to transfer sample vapours from a sampling tube to a capillary gas chromatographic (GC) column, in a narrow band. This is to ensure that the samples desorbed from adsorbent traps will be introduced into narrow-bore columns without losing any resolution of the column.	
2	The ATD must allow analysis of compounds over a wide boiling range, from octane n-C8 to eicosane n-C20.	
3	The ATD must be stand-alone, plug-and-play and be compatible with an Agilent 7890A GC system.	

4	The ATD must allow automated sampling from a minimum of 50 stainless steel sorbent tubes in a sequence. The ATD must be compatible with multiple sorbent materials being used in the sorbent tubes, including Tenax TA, Silica gel, Carbotrap, Carbosieve, and Carboxen.	
5	The ATD must have a cold-trap that is electrically cooled (e.g. Peltier cooling) and must operate in a temperature range of at least -30°C to +300°C (inclusive). The ATD must be cryogen-free.	
6	The ATD must have programmable electronic pressure transducer. The ATD must have flow control of split flows and of desorption flows for the unit.	
7	The ATD must be capable of performing leak tests on the sampling sorbent tubes and on the cold trap before sample desorption. The ATD must be capable of isolating and independently leak test the sampling tube, cold trap and GC column.	
8	The ATD must have direct on-line air sampling. This requirement is to allow for the monitoring of volatile compounds directly from atmospheric air, canisters or other sampling devices.	
9	The ATD must have optimized dry purge system for high moisture content sample, to minimize water matrix effects and to maximize sensitivity for low-concentration analysis.	
10	In order to eliminate column exposure and the need to check for cleanliness of the trap, the ATD must have automatic tube cleaning and conditioning. The ATD must have separate trap-clean and test function.	
11	All sample paths must have inert coatings to eliminate cross-contamination and to maintain analyte integrity.	
12	The ATD must operate at the power supply of 115VAC, 50/60 Hz.	
13	The operator must be able to control the ATD from the unit itself without interfacing with an external computer.	
14	The ATD must be capable of performing sample recollection, after initial thermal desorption, onto a sampling sorbent tube. The operator must be able to select whether the sample is recollected onto the original sampling sorbent tube or onto another sampling sorbent tube.	

Solicitation No. - N° de l'invitation

47064-147666/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pv924

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

1000317666

File No. - N° du dossier

pv92447064-147666

CCC No./N° CCC - FMS No/ N° VME

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<b>15</b>	Consumables - The ATD unit must be supplied with a minimum of twenty (20) stainless steel sorbent tubes with appropriate end caps. The sorbent tubes must be pre-filled with sorbent material. The specifics of the sorbent material will be discussed after the Contract has been awarded.	
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**ANNEX "B" BASIS OF PAYMENT****Pricing Basis:**

- a) bidders must submit firm prices, Canadian customs duties and excise taxes included, and Applicable Taxes excluded.
- b) bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.
- c) Prices will be evaluated on a FOB Destination.

**1. PRICING FOR AUTOMATED THERMAL DESORBER (ATD) *(Bidder to complete)***

This requirement is for the purchase of one (1) Automated Thermal Desorber (ATD) FOB Destination (79 Bentley Avenue, Ottawa, Ontario) and including delivery and installation. Whether or not specified or described herein, any item, piece of equipment, materials and any labour or services necessary for the proper and safe operation of the automated thermal desorber unit to meet the intended use thereof, shall be deemed to be part of the Deliverables and shall be provided by the Contractor at no additional cost to the CBSA.

Details	Unit Price \$
Delivery to 79 Bentley Avenue, Ottawa, Ontario	