



Travaux publics et
Services gouvernementaux
Canada

Public Works and
Government Services
Canada

**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

**Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution
Science Procurement Directorate/Direction de
l'acquisition
de travaux scientifiques
11C1, Phase III
Place du Portage
11 Laurier St. / 11, rue Laurier
Gatineau, Québec K1A 0S5

Title-Sujet High Volume Air Sampling and Analysis System	
Solicitation No. - N° de l'invitation T8811-130007/001/sv	Date 2014-03-20
Client Reference No. - N° de référence du client T8811-130007	
GETS Reference No. - N° de référence de SEAG PW-14-00626217	
File No. - N° de dossier 035sv. T8811-130007	CCC No./N° CC - FMS NO. / N° VME
Solicitation Closes - L'invitation prend fin at - à 2:00 PM on - le 2014-04-29	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: Joseph Hulse	Buyer Id - Id de l'acheteur 035SV
Telephone No. - N° de téléphone 819-956-3356	FAX No. - N° de FAX 819-957-2229
Destination of Goods, Services and Construction: Destinations des biens, services et construction : Specified Herein Précisé dans les présentes	

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 telephone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print)	
Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with this bid solicitation.

2. Requirement

Period of Contract: 6 months, with 3 additional 6-month option periods.

Transport Canada as the lead agency working in partnership with other government departments and agencies, in accordance with the Canadian Safety and Security Program (CSSP) has a requirement to lease equipment to evaluate the commercial availability and performance of instrumentation capable of high volume air sampling and analysis of vapours for specified drugs, explosives and their precursors. Commercially available systems must be evaluated for their performance in the sampling of large volumes of air (including vapours and fine particulate), in collection and pre-concentration, and in the analysis and identification of target analytes.

The main objective is to evaluate the performance of commercially available high volume sampling and analysis systems (typically consisting of an air sampling system, a pre-concentrator and a detector) to detect the aforementioned substances in marine and air cargo containers and consolidations (e.g. unit load devices, pallets, crates, and break-bulk cargo) or in vehicle and room searches. Sampling of cargo containers will be performed at existing openings and ventilation areas without the need to open the containers or consolidated cargo.

The evaluations will incorporate but not be limited to laboratory validation of vendor specified limits of detection, laboratory evaluation of vapour trapping efficiency, semi-controlled field system performance and field operational testing.

The requirement and evaluation is not intended to include early stage prototype systems nor conduct developmental research on behalf of industry. System bids must include and demonstrate clear documented evidence of operation for the intended applications.

The highest ranked compliant bids, that fall within the collective stipulated budget, will be recommended for contract award; therefore, this may not result in multiple contracts.

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 (2014-03-01) 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: one hundred and twenty (120) 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.

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

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 1 soft copy 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 (1 hard copy)

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)

- (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.

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 - Items

Bidders must submit firm prices for all items listed at Annex "D" 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

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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 :

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: _____

1.2 Delivery

Delivery of the complete systems is requested 12 weeks from the award of contract, the best delivery that could be offered by the Bidder is _____.

Deliveries must be completed by 12 weeks of contract award.

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 Start-up Kit

Bidders must include Start-up Kit: kit is to include the tools necessary for normal operation and routine maintenance, and enough consumables to operate the system for six (6) months (Based on 8 hours / 5 days a week operation with an estimated 50 samples per day, plus any required calibration and/or verification supplies).

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Provide complete details of the contents of the start-up kits:

1.5 Training

Bidders must provide one (1) onsite training course to cover operation, routine maintenance and technical aspects of the system, for up to five participants, with a duration of no more than one week. Training must include manuals and training materials for all participants and must be provided in English by a qualified authority designated by the bidder.

Training will be completed within one week of delivery of the complete system and in no case later than 12 weeks after contract award, at CBSA Science and Engineering Directorate, 79 Bentley Avenue, Ottawa, Ontario K2E 6T7.

Provide complete details of training e.g. duration, scope, etc.

1.6 Support Service

Lease of the system must include ongoing technical support during normal business hours between 8:00AM and 4:00PM in the Eastern Time Zone - Monday to Friday, for the entire period of the lease. This support service may be offered via telephone and/or on-site support. Technical support expertise must be available in English. The response time of service calls must not exceed 24 hours, via telephone or email. A on-site support response is required if problems are not rectified within 48 hours.

The Mean Time to Repair (MTTR), defined as the total time from notification of repair requirement to system ready status, must not exceed seven (7) business days, including shipping (estimated at 24-hour shipping time each way). The MTTR includes all diagnostic activities.

Loaner instrument must be available when the maintenance and/or repair time will exceed seven (7) business days at no cost to Canada.

The manufacturer must, after completion of repairs and upgrades, re-install the previous parameters and settings in the system, if they are different from those of the default values.

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 following destination: Halifax, Toronto, Montreal, Vancouver and Edmonton.

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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.

1.7 MANUALS

The bidder must provide one hard copy and one electronic copy in English (and French if available) of operating manual and maintenance / technical service manual. Minimum requirements for these manuals to include: detailed operation descriptions, preventative maintenance procedures and schedules, installation and start-up, trouble shooting, internal componentry and parts descriptions, calibration methodology and emergency procedures where applicable.

1.8 SOFTWARE UPGRADES

The contractor must provide all software updates and new releases to the leaseholder for the duration of the evaluation (leased period), at no additional cost

Note: The word "updates" means all enhancements, extensions or other modifications to the software. The word "releases" means enhancements or modifications to the software that represent the next generation of software and which the Contractor has decided to make available to its customers usually for an additional charge.

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" and "B"

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.

1.1.2 Point Rated Technical Criteria

See Annex "C"

The Bidder must clearly demonstrate how each of the Technical Criteria are satisfied.

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.
- 4. Prices will be evaluated based on total aggregated bid price (includes all pricing detailed in Annex "D").

2. Basis of Selection

2.1 Highest Combined Rating of Technical Merit and Price

1. To be declared responsive, a bid must:
 - a. comply with all the requirements of the bid solicitation; and
 - b. meet all mandatory criteria;
2. Bids not meeting (a) and (b) will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 70% for the technical merit and 30% for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 70%.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 30%.
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bids with the highest combined rating of technical merit and price will be recommended for award of a contract. The number of responsive bids recommended for award of a contract will be based on stipulated project budget; therefore, this may not result in multiple contracts.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 70/30 ratio of technical merit and price, respectively. The total available points equals 105 and the lowest evaluated price is \$60,000 (60).

Basis of Selection - Highest Combined Rating Technical Merit (70%) and Price (30%)

	Bidder 1	Bidder 2	Bidder 3
Overall Technical Score	85/105	60/105	70/105
Bid Evaluated Price	\$70,000.00	\$65,000.00	\$60,000.00
Calculations technical	85/105 x 70 = 56.7	60/105 x 70 = 40.0	70/105 x 70 = 46.7
Calculations Price	60/70 x 30 = 25.7	60/65 x 30 = 27.7	60/60 x 30 = 30.0
Combined Rating	82.4	67.7	76.7
Overall Rating	1st	3rd	2nd

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 with bid.

1.1 Integrity Provisions

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

COMPLETE LIST OF BIDDER'S DIRECTORS	
1	4
2	5
3	6

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

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_equality/eq/emp/fcp/list/inelig.shtml) available from Human Resources and Skills Development Canada (HRSDC) - Labour's website.

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

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

The Bidder must provide the Contracting Authority with a completed annex Federal Contractors

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

2.0 Certifications Precedent to Contract Award

2.1 Former Public Servant - Competitive Requirements

Contracts with former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts with FPS, bidders must provide the information required below.

Definitions

For the purposes of this clause, "former public servant" is any former member of a department as defined in the Financial Administration Act, R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means, a pension or annual allowance paid under the Public Service Superannuation Act (PSSA), R.S., 1985, c.P-36, and any increases paid pursuant to the Supplementary Retirement Benefits Act, R.S., 1985, c.S-24 as it affects the PSSA. It does not include pensions payable pursuant to the Canadian Forces Superannuation Act, R.S., 1985, c.C-17, the Defence Services Pension Continuation Act, 1970, c.D-3, the Royal Canadian Mounted Police Pension Continuation Act, 1970, c.R-10, and the Royal Canadian Mounted Police Superannuation Act, R.S., 1985, c.R-11, the Members of Parliament Retiring Allowances Act, R.S., 1985, c.M-5, and that portion of pension payable to the Canada Pension Plan Act, R.S., 1985, c.C-8.

Former Public Servant in Receipt of a Pension

As per the above definitions, is the Bidder a FPS in receipt of a pension? Yes () No ()

If so, the Bidder must provide the following information, for all FPS in receipt of a pension, as applicable:

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with Contracting Policy Notice: 2012-2 and the Guidelines on the Proactive Disclosure of Contracts.

Work Force Reduction Program

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of a work force reduction program? Yes () No ()

If so, the Bidder must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;
- c. date of termination of employment;

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d. amount of lump sum payment;

e. rate of pay on which lump sum payment is based;

f. period of lump sum payment including start date, end date and number of weeks;

g. number and amount (professional fees) of other contracts subject to the restrictions of a work force reduction program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including the Goods and Services Tax or Harmonized Sales Tax.

PART 6 - RESULTING CONTRACT CLAUSES**1. Security Requirement**

There is no security requirement applicable to this Contract.

2. Requirement

The Contractor must perform the Work in accordance with the Statement of Requirement at Annex A.

2.8 Carrying Case

The instrument must come with a carrying case suitable for damage-free shipping of the unit and with a reasonable amount of space to store consumables and maintenance items.

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

2040 (2014-03-01), General Conditions - Research & Development, apply to and form part of the Contract.

2.2 Supplemental General Conditions

The following supplemental general conditions apply to and form part of the Contract:

4001 (2013-01-28), Hardware Purchase, Lease and Maintenance

4. Term of Contract**4.1 Delivery Date**

All the deliverables must be received on or before (*will be inserted at contract*).

5. Authorities**5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Joseph Hulse

Public Works and Government Services Canada
Defence Sciences Division -SV
Science Procurement Directorate
11 Laurier Street, 6A2, Phase III
Place du Portage, Hull, Quebec, K1A 0S5

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Telephone: (819) 956-3356
Facsimile: (819) 997-2229
E-mail address: joseph.hulse@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 prices as specified in Annex "D" 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 Multiple Payments

SACC *Manual* clause H1001C (2008-05-12) Multiple Payments

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.

Solicitation No. - N° de l'invitation
T8811-130007/001/sv

Amd. No. - N° de la modif.
035sv.T8811-130007

Buyer ID - Id de l'acheteur
035sv

Client Ref. No. - N° de réf. du client
T8811-130007

File No. - N° du dossier
035sv.T8811-130007

CCC No./N° CCC - FMS No/ N° VME

- 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 2040 (2014-03-01);
- (c) supplemental general condition :4001 (2013-01-28), Hardware Purchase, Lease and Maintenance
- (d) Annex A, Mandatory Specifications;
- (d) Annex B, Point Rated Specifications
- (e) Annex C, Basis of payment
- (f) 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 as detailed in Annex "C" including all delivery charges and customs duties and taxes.

ANNEX A

Statement of Requirement

1.0 REQUIREMENTS

High Volume Air Sampling and Analysis System

Transport Canada as the lead agency working in partnership with other government departments and agencies, in accordance with the Canadian Safety and Security Program (CSSP) has a requirement to purchase or lease equipment to evaluate the commercial availability and performance of instrumentation capable of high volume air sampling and analysis of vapours for specified drugs, explosives and their precursors. Commercially available systems must be evaluated for their performance in the sampling of large volumes of air (including vapours and fine particulate), in collection and pre-concentration, and in the analysis and identification of target analytes.

The main objective is to evaluate the performance of commercially available high volume sampling and analysis systems (typically consisting of an air sampling system, a pre-concentrator and a detector) to detect the aforementioned substances in marine and air cargo containers and consolidations (e.g. unit load devices, pallets, crates, and break-bulk cargo) or in vehicle and room searches. Sampling of cargo containers will be performed at existing openings and ventilation areas without the need to open the containers or consolidated cargo.

The evaluations will incorporate but not be limited to laboratory validation of vendor specified limits of detection, laboratory evaluation of vapour trapping efficiency, semi-controlled field system performance and field operational testing.

The requirement and evaluation is not intended to include early stage prototype systems nor conduct developmental research on behalf of industry. System bids must include and demonstrate clear documented evidence of operation for the intended applications.

1.1 Start-up Kit

Bidders must include Start-up Kit: kit is to include the tools necessary for normal operation and routine maintenance, and enough consumables to operate the system for six (6) months (Based on 8 hours / 5 days a week operation with an estimated 50 samples per day, plus any required calibration and/or verification supplies).

1.2 Training

Bidders must provide one (1) onsite training course to cover operation, routine maintenance and technical aspects of the system, for up to five participants, with a duration of no more than one week. Training must include manuals and training materials for all participants and must be provided in English by a qualified authority designated by the bidder.

Training will be completed within one week of delivery of the complete system and in no case later than 12 weeks after contract award, at CBSA Science and Engineering Directorate, 79 Bentley Avenue, Ottawa, Ontario K2E 6T7.

Solicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

T8811-130007/001/sv

035sv

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

T8811-130007

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1.3 Service

Lease of the system must include ongoing technical support during normal business hours between 8:00AM and 4:00PM in the Eastern Time Zone - Monday to Friday, for the entire period of the lease. This support service may be offered via telephone and/or on-site support. Technical support expertise must be available in English. The response time of service calls must not exceed 24 hours, via telephone or email. A on-site support response is required if problems are not rectified within 48 hours.

The Mean Time to Repair (MTTR), defined as the total time from notification of repair requirement to system ready status, must not exceed seven (7) business days, including shipping (estimated at 24-hour shipping time each way). The MTTR includes all diagnostic activities.

Loaner instrument must be available when the maintenance and/or repair time will exceed seven (7) business days at no cost to Canada.

The manufacturer must, after completion of repairs and upgrades, re-install the previous parameters and settings in the system, if they are different from those of the default values.

1.4 MANUALS

The bidder must provide one hard copy and one electronic copy in English (and French if available) of operating manual and maintenance / technical service manual. Minimum requirements for these manuals to include: detailed operation descriptions, preventative maintenance procedures and schedules, installation and start-up, trouble shooting, internal componentry and parts descriptions, calibration methodology and emergency procedures where applicable.

1.5 SOFTWARE UPGRADES

The contractor must provide all software updates and new releases to the leaseholder for the duration of the evaluation (leased period), at no additional cost

Note: The word "updates" means all enhancements, extensions or other modifications to the software. The word "releases" means enhancements or modifications to the software that represent the next generation of software and which the Contractor has decided to make available to its customers usually for an additional charge

Annex B

Mandatory Requirements

Bidders' proposals must meet ALL of the following mandatory requirements for their submissions to be considered for further evaluation. Failure on the part of bidders to meet these requirements will result in their proposals being deemed non-compliant, with the proposal being given no further consideration.

High Volume Air Sampling and Analysis System			
Req. No.	Mandatory Requirements (Detection System)	Validation: Reference Document name and page.	Compliant? (Y/N)
1	<p>The detection system must be capable of detecting and identifying narcotics and explosive substances. The detection system must be capable of detecting at least four narcotic substances and at least seven explosive substances listed in Table 1.</p> <p><i>This requirement will be further evaluated on a point-based system according to Point Rated Technical Criteria (Annex C)</i></p>		
2	<p>The bidder must provide limits of detection (LOD) for the substances listed in Table 1 and for all other related narcotic and explosive substances detected by the vendor's system. The LOD's must be in the low nanogram to picogram levels. All parameters and standard operating procedures must be provided to enable the validation of these LOD's during subsequent laboratory evaluation.</p>		
3	<p>The vendor must indicate if detection capability is degraded in any way (e.g. LOD) by increasing the total number of substances included in the list of substances to be detected during a single analysis screen.</p>		
4	<p>The system must be commercially available or be at a Technology Readiness Level (TRL) that is 8 or 9. The vendor must provide a list of customers/ clients or 3rd party evaluators and contact information who have purchased or evaluated the system submitted in this bid.</p> <p><i>Note: Technology Readiness Levels are defined at: https://buyandsell.gc.ca/sites/buyandsell.gc.ca/files/trl_diagram_0.pdf</i></p>		
5	<p>Immediately following an analysis, the system must generate clear visual indication when detection of a target substance occurs and clear visual notification if no target substances have been detected (negative). Detection must be accomplished automatically without operator intervention. The system must provide optional audible alarms to be used in addition to visual alert. E.g. Red indicator and audible alarm for a positive alert and green indicator for a clear negative sample.</p>		

6	The system must be ready for use within 30 minutes of turning the power on after being powered off for up to 12 hours. <i>This requirement will be further evaluated on a point-based system according to Point Rated Technical Criteria (Annex C)</i>		
7	Total analysis time (not including sampling time) must be less than 10 minutes. <i>This requirement will be further evaluated on a point-based system according to Point Rated Technical Criteria (Annex C)</i>		
8	The system must be capable of detecting explosives and narcotics simultaneously, narcotics only, or explosives only. If the system is only operating in single mode, it must clearly indicate which mode it is operating in. The operator must be able to change the modes in simple steps or preferably by automated mechanisms used to switch between the two modes.		
9	The vendor must provide detailed description for principle of operation and for software algorithms used in identification of target analytes.		
10	The vendor must provide a list of known interfering substances and substances that are known to cause false alarms. If the vendor is unaware of such substances, a statement to that effect must be provided.		
11	The complete system must come with sufficient consumable supplies for 6 months of normal daily operation and collection and analysis of at least 50 samples per day.		
12	The system must operate using standard power requirements of 120 Volts AC, 60Hz.		
13	The system must be capable of operating effectively within the temperature ranges of 0° C and 40° C and within a humidity range of 0% and 95% (non-condensing).		
14	The vendor must provide information on the size and weight of the detection system, and the operational conditions for transport/ relocation.		
15	The detection system must be capable of operation as a complete unit together with the high volume air sampling system or as a stand-alone detector operating in isolation from where samples are being taken and subsequently transported to the detector system.		
16	The system must permit the user (using an administrator mode if necessary) to program in new substances and modify operating and detection parameters. The vendor must identify parameters which cannot be modified by the operator.		
17	The detection system must permit the user to select or de-select substances which will give an alarm when detected.		
18	The system must come with a library of detectable analytes and identify the pre-specified criteria necessary for each analytes identification and subsequent alarm. The system must permit addition of other target analytes to the library by the user and / or modification of identification criteria.		
19	The average recovery time to a ready state after an alarm has occurred must be less than 20 minutes for an amount of narcotic or explosive at 20		

	times the quoted detection limit for each target substance.		
20	An automated system calibration test must be incorporated or the same achieved with minimal manual intervention. The procedure, materials and parameters used to test the system calibration must be fully documented and explained.		
21	The system must provide either an automated warning when the system is not within proper operating condition or provide a rapid means to test the system quality / operating status.		
22	The system must be equipped will all the necessary safety equipment and devices to guard against accidental electrical or overheating faults.		
Mandatory Requirements (High Volume Air Sampling System and Pre-concentrator)			
23	The air sampling system and pre-concentrator must be designed in such a way to permit adjustment of sampling parameters to optimize sample collection from different operational environments, such as vehicles, rooms, cargo and container configurations. Flow rates and / or sampling time must be adjustable to accommodate sampling of different sized container volumes. Sampling rates must range from less than 20 liters per minute to over 1000 liters per minute to permit sample rates through the sample collector / pre-concentrator of 10 liters per minute to over 100 liters per minute. Where the sampling device is not capable of the two extremes in sample flow rates necessary for the desired field applications and the respectively different volumes or vacuum requirements, separate systems must be quoted which permit sampling the desired volumes / spaces. <i>This requirement will be further evaluated on a point-based system according to Point Rated Technical Criteria (Annex C)</i>		
24	The air sampling system must be equipped such that the concept of operation performs both the filtration of the air to remove or restrict unwanted debris and the trapping and pre-concentration of specified target vapours and fine particles.		
25	The system must incorporate vacuum speeds and sufficient power to accommodate variable degrees of vacuum resistance. Bidders must provide system specifications in semi-sealed cargo configurations.		
26	After sampling an air sample which did not alarm, the system must come back to a ready condition in less than 10 minutes.		
27	The bidder must provide information on the design and the concept of operation of the sampling nozzle / tip up to the filter/pre-concentrator. The sampling system and pre-concentrator must be designed in such a way as to permit rapid automated cleaning / decontamination after each sampling sequence to eliminate risk of sample carry over or accidental contamination transfer. Alternatively, the system must rely on the use of economical disposable materials.		
28	The air sampling collection system must be capable of operation (collection of samples) in isolation from the sample analyzer (detector).		
29	The system must be designed to collect each sample separately onto individual sample media (e.g. collection filters or tubes) to facilitate the		

	collection, transport and subsequent analyses of multiple samples at a separate location. Sample media design must be such that target materials are stable for at least 30 minutes and can be transported for analysis without risk of contamination or degradation.		
30	The pre-concentrator must be designed specifically to attract / capture vapours and particles of drugs, explosives and their precursors; concentrate these and facilitate efficient transfer to the system analyzer for detection and identification of the materials present. The transfer must be done without the need for solvents or other significant sample manipulation (i.e., directly introduced into the detector).		
31	The vendor must provide information on the size and weight of the sample collection system, and the operational conditions for transport/ relocation.		
32	The sampling system must pre-concentrate the target analytes onto media that is suitable for rapid analysis on the vendors system or designed to work with other commercial off the shelf detector systems for which separate quotations are included.		
33	The sampling system must provide the means to sample marine containers without the need to open the doors of the container, e.g., through seal of door or ventilation port (vent).		
34	The system must operate using standard power requirements of 120 Volts AC, 60Hz. Battery powered field portable vacuum systems designed to suit smaller volume sampling environments will also be considered provided the same intermediate filter / pre-concentration device is utilized and provided the system is equipped and designed such that there is 100% up time during cycling of charged and discharged batteries.		
35	The system must be capable of operating effectively within the temperature ranges of 0° C and 40° C and within a humidity range of 0% and 95% (non-condensing).		
36	The system must be equipped with all the safety equipment and devices to guard against accidental electrical or overheating faults.		
37	The bidder must indicate whether or not in-kind (non-cash) contribution will be offered during the evaluations. <i>This requirement will be further evaluated on a point-based system according to Point Rated Technical Criteria (Annex C)</i>		

TABLE 1

Limits of Detections for Narcotics and Explosive Substances

Narcotics	Bidder's Limits of Detection (LOD)	Explosive Substances	Bidder's Limits of Detection (LOD)
Amphetamine		HMTD	
Cocaine		NG	
Heroin		PETN	
Methamphetamine		RDX	
MDMA		TNT	
THC		Tetryl	
EDME		TATP	
		DMNB	
		Ammonium Nitrate	
		Urea Nitrate	

ANNEX C

POINT-RATED TECHNICAL CRITERIA REQUIREMENTS

Req. #	Rated Mandatory Requirement	Point-Rated Evaluation Criteria	Maximum Points
1.	The detection system must be capable of detecting and identifying narcotics and explosive substances.	<p>The bidder must indicate which of the following substances can be detected and identified by their system.</p> <p>(5 points allotted for each substance that can be detected in addition to the minimum requirement)</p> <p style="text-align: center;">Narcotics</p> <p><input type="checkbox"/> Amphetamine</p> <p><input type="checkbox"/> Cocaine</p> <p><input type="checkbox"/> Heroin</p> <p><input type="checkbox"/> Methamphetamine</p> <p><input type="checkbox"/> MDMA</p> <p><input type="checkbox"/> THC</p> <p><input type="checkbox"/> EDME</p> <p style="text-align: center;">Explosives</p> <p><input type="checkbox"/> HMTD</p> <p><input type="checkbox"/> NG</p> <p><input type="checkbox"/> PETN</p> <p><input type="checkbox"/> RDX</p> <p><input type="checkbox"/> TNT</p> <p><input type="checkbox"/> Tetryl</p> <p><input type="checkbox"/> TATP</p> <p><input type="checkbox"/> DMNB</p> <p><input type="checkbox"/> Ammonium nitrate</p> <p><input type="checkbox"/> Urea nitrate</p>	30
2.	The analysis system must be ready for use within 30 minutes of turning the power ON after being powered OFF for up to 12 hours.	<p>The bidder must indicate the ready-for-use time of the analysis system after being powered OFF for up to 12 hours. (select one):</p> <p><input type="checkbox"/> Ready for use within 15 minutes (15 points)</p> <p><input type="checkbox"/> Ready for use within 15 to < 20 minutes (10 points)</p>	15

		<input type="checkbox"/> Ready for use within 20 to < 25 minutes (5 points) <input type="checkbox"/> Ready for use within 25 to < 30 minutes (0 points)	
3.	Total analysis time (not including sampling time) must be less than 10 minutes.	<p>The bidder must indicate the total analysis time, not including sampling time (select one):</p> <input type="checkbox"/> Analysis time less than 1 minute (15 points) <input type="checkbox"/> Analysis time between 1 minute and less than 4 minutes (10 points) <input type="checkbox"/> Analysis time between 4 minutes and less than 7 minutes (5 points) <input type="checkbox"/> Analysis time between 7 minutes and less than 10 minutes (0 points)	15
4.	The air sampling system and pre-concentrator must be designed in such a way to permit adjustment of sampling parameters to optimize sample collection from different operational environments.	<p>The bidder must indicate which control mechanisms are incorporated in the high volume air sampling system (select one or more):</p> <input type="checkbox"/> Adjustable timed sampling sequence (5 points) <input type="checkbox"/> Pressure gauge / vacuum indicator (5 points) <input type="checkbox"/> Volumetric flow meter (5 points) <input type="checkbox"/> Pressure and vacuum control via adjustment and selection (5 points) <input type="checkbox"/> Automated flow control / pressure drop system (10 points)	30
5.	The bidder must indicate whether or not in-kind (non-cash) contribution will be offered during the evaluations.	<p>If applicable, the bidder must indicate the amount of in-kind contribution to be offered as a percentage of the commercial value of the total bid price.</p> <input type="checkbox"/> 100% in-kind contribution (15 points) <input type="checkbox"/> 50% to < 75% in-kind contribution (10 points) <input type="checkbox"/> 25% to < 50% in-kind contribution (5 points) <input type="checkbox"/> <25% in-kind contribution (0 points)	15
TOTAL			/105

ANNEX D – BASIS OF PAYMENT

The Contractor will be paid in accordance with the following:

1.0 Firm Price:

A firm unit price, for a complete **High-Volume Air-Sampling and Analysis System** 6 month lease for which payments will be made in accordance with the Contract, after delivery and acceptance, is as follows:

High-Volume Air-Sampling and Analysis Systems	lease duration	Firm Price
1	6 months	

2.0 Options

2.1 Option to continue Lease of previously delivered system

A firm unit price, for the continued lease of the complete **High-Volume Air-Sampling and Analysis System** for which payments will be made in accordance with the Contract, is as follows:

High-Volume Air-Sampling and Analysis Systems	lease duration	Firm Price
1	6 months	
1	6 months	
1	6 months	

TOTAL AGGREGATE BID PRICE will be calculated by adding all of the above pricing.