



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

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

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

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

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

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

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

Comments - Commentaires

Title - Sujet GC-HRMS AND ACCESSORIES	
Solicitation No. - N° de l'invitation W8486-162933/A	Date 2015-11-18
Client Reference No. - N° de référence du client W8486-162933	
GETS Reference No. - N° de référence de SEAG PW-\$\$PV-941-68422	
File No. - N° de dossier pv941.W8486-162933	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-12-29	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
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: Martins, Christina	Buyer Id - Id de l'acheteur pv941
Telephone No. - N° de téléphone (613) 355-1973 ()	FAX No. - N° de FAX (819) 956-3814
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

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

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

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



Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
D - 1	QUALITY ENGINEERING TEST ESTABLISHMENT (QETE) NATIONAL PRINTING BUREAU 45 SACRE COEUR BOULEVARD RAMP NO 7 GATINEAU QC K1A 0K2 CANADA	W8486	DEPARTMENT OF NATIONAL DEFENCE 101 COLONEL BY DR. NDHQ DGLEPM DLP 4-4-2-1 OTTAWA Ontario K1A0K2 Canada



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Destination	Unit Price/Prix unitaire FOB/FAM	Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
1	GAS CHROMATOGRAPH/HIGH RES. MASS S PECTROM. GAS CHROMATOGRAPH/HIGH RES. MASS SPECTROMETER in accordance with the Requirement listed in Annex "A." Shipping, installation, calibration, maintenance, licenses, training, manuals, software upgrades, software updates and maintenance included.	D - 1	W8486	1	LOT	\$	XXXXXXXXXXXX		See Herein	

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2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten 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 (three (3) hard copies)
- Section II: Financial Bid (one (1) hard copy)
- Section III: Certifications (one (1) hard copy)

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

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

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement (http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats_procurement/politique-policy-eng.html). To assist Canada in reaching its objectives, Bidders should:

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

Section I: Technical Bid

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

3.1.1 Training (BIDDER TO COMPLETE)

A minimum of one day of on-site user training covering basic operation/maintenance must be provided for up to five users. All costs associated with the on-site training must be included in the price.

On-site training will be completed within _____ calendar days of installation.

Training must be performed during normal business hours (08:00-16:00).

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

3.1.1.1 Advanced Training Sessions (Option to Purchase)

Bidders must offer a minimum of 4 days of advanced training sessions for up to two users at the OEM facility or on-site. The advanced training sessions must be offered 12 to 18 months after installation is complete. Training must include but is not limited to both the maintenance and service of the GC-HRMS. Training must also include troubleshooting and resolving failures as well as the normal functioning of the GC-HRMS including software and/or parts if applicable.

The course must be offered both Off-site (inclusive of tuition and training materials) and On-site training (inclusive of all Contractor's travel and living expenses). All manuals must be provided for each participant. All costs associated with the Off-site and On-site training must be included in the quoted price.

Training for both on-site and off-site locations must be offered in Bilingual, in French and/or in English. The language of the choice will be identified at time of request.

The exact date and time of the off-site and on-site training will be mutually agreed between the Contractor and the Technical Authority stated herein.

3.1.2 Service (BIDDER TO COMPLETE)

The GC/HRMS and accessories must include: technical support; technical phone support; support via the Internet; and support via a fax-back document system for all hardware components and software related issues for a three year period.

Response for service must be within 24 hours or less.

The OEM minimum service response time for urgent repairs must be within 5 working days of service request.

Also, provide the following with your bid: *(for information purposes only)*

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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 re: 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.

e) One year of on-site maintenance must be provided and included in the price.

f) Software upgrades for a period of 5 years must be provided and included in the price.

g) All provided proprietary software must be of the most current version and must be capable of being installed, running and being updated offline.

h) All proprietary software must be provided with a full end-user license not limited in time and backup CD/DVD disk(s).

3.1.3 Product(s) Offered (BIDDER TO COMPLETE)

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: _____
Literature attached: Yes () No ()

3.1.4 Point of Manufacture/Shipping (BIDDER TO COMPLETE)

The Bidder must state the point of manufacture/shipping of goods or where service is to be performed:

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Location: _____
Postal Code: _____

3.1.5 Delivery (BIDDER TO COMPLETE)

While delivery must be no later than March 31, 2016, the best delivery that could be offered by the Bidder is _____.

3.1.6 Contacts

Bidders are requested to provide the following: Information pertaining to Article 6.5.4 Contractor Representatives under Part 6, Resulting Contract Clauses.

Section II: Financial Bid

The bidder must quote a firm lot price inclusive of supply, installation, calibration, maintenance, licenses, training, software upgrades, software updates and manuals, DDP (Gatineau, Quebec), the total amount of applicable taxes must be shown separately. Freight charges to destination and all applicable Customs duties and Excise taxes must be included.

A firm unit price must be filled in for each of the optional estimated quantities. If the bidder fails to quote a firm unit price for each of the optional quantities, the bidder will be considered noncompliant and no further consideration will be given.

3.2.1 Exchange Rate Fluctuation

C3011T Exchange Rate Fluctuation 2013-11-06

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

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. If the requirement is not addressed in the bidder's proposal, the proposal will be considered incomplete or non-responsive and will be rejected. The onus is on the bidder to provide all the information necessary to ensure a complete and accurate assessment.

Factors for Evaluation

1. **PRICING BASIS (MANDATORY):** Prices must be firm, DDP Delivered Duty Paid (Gatineau, Quebec).

2. ABILITY TO MEET THE TECHNICAL REQUIREMENT (MANDATORY):

a) **For Items Defined by Specifications:**

The bidder is required to cross reference with the exact location in the supporting documentation the mandatory technical criteria contained herein to their supporting technical documentation.

b) **Provision of Supporting Technical Documentation:**

Supporting technical documentation for the stores offered shall be provided with the bid at time of bid closing.

Technical brochures or technical data **MUST** be provided to verify compliancy to the technical mandatory specifications.

Included: YES _____

3. **COMPLIANCE WITH THE TERMS AND CONDITIONS OF THIS REQUEST FOR PROPOSAL (MANDATORY)**

4. Please note that the requirements of the Federal Contractors Program for Employment Equity may apply - (see Part 5).

5. The manufacturer's conformance certificate must be supplied with the GC-HRMS system.

4.1.2 Financial Evaluation

Evaluation of Price

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, DDP (Gatineau, Quebec) Incoterms® 2000, Canadian customs duties and excise taxes included.

Unless the bid solicitation specifically requires bids to be submitted in Canadian currency, 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.

For bid evaluation purposes only, the total bid price will be determined by adding the cost of the firm quantity total with the total cost of the optional items.

4.2 Basis of Selection

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 aggregate evaluated price (including the optional items) 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.

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

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

5.1 Certifications Required with the Bid

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

5.1.1 Declaration of Convicted Offences

As applicable, pursuant to subsection Declaration of Convicted Offences of section 01 of the Standard Instructions, the Bidder must provide with its bid, a completed Declaration Form, 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.

PART 6 - RESULTING CONTRACT CLAUSES

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

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6.1 Security Requirements

There is no security requirement applicable to this Contract.

6.2 Requirement

The Contractor must provide the items detailed under the Line Item Detail.

6.2.1 Optional Requirement - Maintenance Plan (up to four additional one year periods)

The Contractor grants to Canada the irrevocable option to purchase a Maintenance Plan for up to four additional one year periods under the same conditions and at the prices stated in the Contract. This option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment. The Contracting Authority may exercise any one of the above options within four years after contract award by sending a written notice to the Contractor.

The Contracting Authority may exercise the option at any time after contract award for a period of four years by sending a written notice to the Contractor.

6.2.2 Optional Requirement - On-site Advanced Training Sessions (up to two additional one year periods)

The Contractor grants to Canada the irrevocable option to purchase on-site Advanced Training Sessions for up to two additional one year periods under the same conditions and at the prices stated in the Contract. This option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment. The Contracting Authority may exercise any one of the above options within four years after contract award by sending a written notice to the Contractor.

The Contracting Authority may exercise the option at any time after contract award for a period of two years by sending a written notice to the Contractor.

6.2.3 Optional Requirement - Off-site Advanced Training Sessions (up to two additional one year periods)

The Contractor grants to Canada the irrevocable option to purchase off-site Advanced Training Sessions for up to two additional one year periods under the same conditions and at the prices stated in the Contract. This option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment. The Contracting Authority may exercise any one of the above options within four years after contract award by sending a written notice to the Contractor.

The Contracting Authority may exercise the option at any time after contract award for a period of two years by sending a written notice to the Contractor.

6.2.4 Installation

On-site installation and calibration must be authorized by the OEM to work on the GC-HRMS.

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Installation and calibration must be carried out within thirty calendar days of delivery of a complete GC-HRMS system satisfying all requirements identified in Annex "A," including but not limited to all accessories/hardware, software, manuals and other documents.

Installation and calibration must be performed during normal business hours (08:00-16:00).

6.2.5 Manuals

One set of Operating, maintenance and troubleshooting manuals and media for the complete GC/HRMS as well as a spare parts list in electronic format must be supplied with the GC/HRMS. All publications/manuals for the GC-HRMS must be provided in English and must cover the calibration, operation and the maintenance of the system.

6.2.6 Training

On-site user training must be provided for up to five users.

6.2.7 Service

The GC/HRMS system must include: technical support; technical phone support; support via the Internet; and support via a fax-back document system for all hardware components and software related issues for a one year period.

6.2.8 Software Updates

The Bidder must provide all software updates and new releases to the purchaser for a period of five years following the acceptance, 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 or new modules or supplementary modules that function in conjunction with 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.

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

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

6.3.2 Supplemental General Conditions

4003(2010-08-16) Supplemental General Conditions - Licensed Software, apply to and form part of the Contract.

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4004(2013-04-25) Supplemental General Conditions - Maintenance and Support Services for Licensed Software apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before March 31, 2016.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Christina Martins
Supply Specialist
Public Services and Procurement Canada
Acquisitions Branch
Commercial and Consumer Products Directorate
Place du Portage III, 6A2
11 Laurier St. Gatineau, Quebec
K1A 0S5

Telephone: (613) 355-1973
Facsimile: (819) 956-3814
Christina.Martins@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.

6.5.2 Technical Authority (TO BE COMPLETED AT TIME OF CONTRACT AWARD)

The Technical Authority for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: _____
Facsimile: _____
E-mail address: _____

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

6.5.3 Procurement Authority (TO BE COMPLETED AT TIME OF CONTRACT AWARD)

The Procurement Authority for the Contract is:

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Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: _____
Facsimile: _____
E-mail address: _____

The Procurement Authority is responsible for the contract management and for the authorization of all work against this contract.

6.5.4 Contractor's Representative (PLEASE FILL IN)

General Enquiries

Name: _____
Telephone No. _____
Facsimile No. _____
E-mail address: _____

Delivery Follow-up

Name: _____
Telephone No. _____
Facsimile No. _____
E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment – Firm Lot Price

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm lot price, as specified in Line Item 1, for a cost of \$ _____ (to be filled in only at contract award). Customs duties are included and Applicable Taxes are extra.

6.6.2 Optional Requirement - Maintenance Plan (up to four additional one year periods)

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm lot price as specified on Annex B, DDP Delivered Duty Paid (Gatineau, Quebec) Incoterms 2000. Customs duties are included and Applicable Taxes is extra, if applicable.

6.6.3 Optional Requirement - On-site Advanced Training Sessions (up to two, one year periods)

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm lot price as specified in Annex B, all inclusive of travel and living expenses and training materials, DDP Delivered Duty Paid (Gatineau, Quebec) Incoterms 2000. Customs duties are included and Applicable Taxes is extra, if applicable.

6.6.4 Optional Requirement - Off-site Advanced Training Sessions (up to two, one year periods)

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm lot price as specified in Annex B, all inclusive of tuition and training materials, DDP Delivered Duty Paid (Gatineau, Quebec) Incoterms 2000. Customs duties are included and Applicable Taxes is extra.

6.6.5 Limitation of Price

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.

6.7 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.

FOR PROMPT PAYMENTS, ENSURE THE CONTRACT NO. /P.O. NUMBER APPEARS ON ALL DOCUMENTATION.

b) Invoices must be distributed as follows:

- (a) The original and one copy must be forwarded to the address shown on page 1 of the Contract for certification and payment. The Contract serial number: W8486-162933 must appear on all invoices.
- (b) One 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 additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

6.8.2 SACC Manual Clauses

H1001C Multiple Payments

08/05/12

6.9 Applicable Laws

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

6.10 Priority of Documents

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

- (a) the Articles of Agreement;
- (b) 2010A (2015-09-03) General Conditions - Goods (Medium Complexity);
- (c) 4003(2010-08-16) Supplemental General Conditions - Licensed Software, apply to and form part of the Contract;
- (d) 4004(2013-04-25) Supplemental General Conditions - Maintenance and Support Services for Licensed Software apply to and form part of the Contract;
- (e) Annex A, Requirement;
- (f) Annex B, Requirement/Basis of Payment; and

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(g) the Contractor's bid dated _____ (insert date of bid)

6.11 Defence Contract

SACC Manual clause A9006C (2012-07-16) Defence Contract

6.12 Shipping Instructions - Delivery at Destination

1. Goods must be consigned to the destination specified in the Contract and delivered:

Delivered Duty Paid (DDP) (Gatineau, Quebec) Incoterms 2000 for shipments from a commercial contractor.

2. The Contractor will be responsible for all delivery charges, administration, costs and risk of transport and customs clearance, including the payment of customs duties and taxes.

6.13 SACC Manual clauses

A2000C	Foreign Nationals (Canadian Contractor)	2006-06-16
OR		
A2001C	Foreign Nationals (Foreign Contractor)	2006-06-16
A9062C	Canadian Forces Site Regulations	2011-05-16
B1501C	Electrical Equipment	2006-06-16

6.14 Delivery, Inspection and Acceptance

The Technical Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

**ANNEX A
REQUIREMENT
GAS CHROMATOGRAPH/HIGH RESOLUTION MASS SPECTROMETER (GC-HRMS) AND
ACCESSORIES**

Background:

The Gas Chromatograph/High Resolution Mass spectrometer GC/HRMS system is required perform a wide array of qualitative and quantitative chemical analyses. For example; unambiguous identification of unknown chemical compounds in samples for forensic analysis, impurities and additives in aviation fuel and petroleum products, energetic material characterization and trace analysis in environmental samples, pesticides residues in military protection garments, identification of unknown chemicals in various investigative projects. The system will be also used to elucidate the chemical composition of a variety of matrices arising from environmental studies, or to confirm the chemical composition of industrial products used by the Canadian Armed Forces matrices arising from environmental studies, or to confirm the chemical composition of industrial products used by the Canadian Armed Forces.

Vendors must cross reference the mandatory technical criteria in a concise format by using page, paragraph(s) & sub-paragraphs as applicable to their supporting technical documentation.

Each Gas Chromatograph/High Resolution Mass Spectrometer and Accessories must comply with each of the specifications detailed below:

A. Specification Requirements:

1. The GC-HRMS system must comprise of a fully compatible and integrated gas chromatograph (GC), high resolution mass spectrometer (HRMS), autosampler, required vacuum pumps and computerized control workstation with specialized software suite.

Reference in Contractors Proposal: _____

2. The GC-HRMS must be capable of MS/MS experiments via an adjustable energy collision cell.

Reference in Contractors Proposal: _____

3. The GC-HRMS must have user interchangeable user variable electron energy electron impact source (EI) as well as a negative and positive chemical ionization (NCI and PCI) sources.

Reference in Contractors Proposal: _____

4. The Gas Chromatograph (GC) oven must be capable of accommodating 2 narrow bore 60 meter capillary columns and be temperature programmable from -40 to 400°C with CO2 cooling, with fast ramp rates of 100°C/min or greater.

Reference in Contractors Proposal: _____

5. One of the inlets must allow for direct injection mode while the other must be compatible with commercially available media packed liners, such as tenax, carbopack, glass beads and wool for injector trapping of large volume gaseous sample injection.

Reference in Contractors Proposal: _____

6. The GC must have electronic pressure control (EPC) of all required gases with capillary column

backflush capability, a retention time repeatability of 0.1 second or smaller and allow for constant and ramped flow and pressure control.

Reference in Contractors Proposal: _____

7. The GC-HRMS must allow for GC column and source changes without venting of the HRMS.

Reference in Contractors Proposal: _____

8. The GC-HRMS software suite must allow for setup, automated tuning, and operation, data acquisition, processing and reporting.

Reference in Contractors Proposal: _____

9. The GC-HRMS software suite must include data processing tools for qualitative and quantitative accurate mass spectrometric and MS/MS gas chromatography data including manual and automatic peak integration, peak deconvolution, quantitation and identification via user generated mass spectral libraries and with provided NIST 14 mass spectral libraries.

Reference in Contractors Proposal: _____

10. The software suite must include GC-HRMS statistical data analysis and molecular profiling tools to perform rapid identification of major chemical differences and relationships of compounds across groups and samples.

Reference in Contractors Proposal: _____

11. The GC-HRMS must include software tools to compare and visualize data from large sample sets to enable rapid identification of unique features using principal component analysis for complex matrix samples.

Reference in Contractors Proposal: _____

12. The GC-HRMS must include a manufacturer approved and GC-HRMS system compatible uninterruptible power supply UPS to protect the GC-HRMS from short term power interruptions and voltage fluctuations.

Reference in Contractors Proposal: _____

13. The GC-HRMS system must include an autosampler equipped with all the necessary hardware for automated liquid, heated headspace, solid phase micro extraction (SPME) and standard 1/4" tube thermal desorption unit (TDU) sample introduction techniques.

Reference in Contractors Proposal: _____

14. The autosampler must have user changeable sample trays with a minimum capacity of 75ea. 2 ml vials and 30 ea. 10 ml or 20 ml vials and 75 thermal desorption tubes.

Reference in Contractors Proposal: _____

15. The autosampler rail must include an agitator compatible with the 10 and 20 ml. vials (6 at a time), providing incubation temperatures from 50 to 180°C.

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Reference in Contractors Proposal: _____

16. The autosampler rail must include a peltier cooled sample tray, with controllable temperature from 4 to 60°C, with a minimum capacity of 50 ea. 2 ml autosampler vials.

Reference in Contractors Proposal: _____

17. The autosampler must include a tedlar bag autosampling capability for gaseous sample analysis.

Reference in Contractors Proposal: _____

18. The autosampler must include a vortex mixer and an automated tool exchanger allowing automated switching of syringes for automated standard addition and dilution of samples.

Reference in Contractors Proposal: _____

19. The GC must be equipped with 2 programmable temperature inlets suitable for hot, cold or pulsed split/splitless injection as well as large volume injection with a temperature programmable minimum range of -150°C (cooled with liquid nitrogen) to 425°C with ramp rates of 10°C/sec, or faster.

Reference in Contractors Proposal: _____

20. At least one of the GC inlets (either) must be compatible with the autosampler and the sample introduction modes listed.

Reference in Contractors Proposal: _____

B. Mandatory Physical Requirements:

1. The dimensions of GC-HRMS must be a maximum of 125 cm deep, 200 cm wide and 150 cm in height to fit on a standard laboratory bench, excluding the computer workstation components.

Reference in Contractors Proposal: _____

2. System components must operate using a North American Standard 110-120 or 220-240 VAC (+/- 10%), 1 phase, 60 Hz electrical service.

Reference in Contractors Proposal: _____

Mandatory Performance Requirements:

1. The GC-HRMS system must have an automated tune function for routine optimization of the mass spectrometer performance.

Reference in Contractors Proposal: _____

2. The GC-HRMS system must simultaneously meet the specifications listed in Mandatory Performance Requirements. Multiple tuning parameter sets used to meet individual specifications are not acceptable, except for source mode change, such as EI to NCI or PCI.

Reference in Contractors Proposal: _____

3. The GC-HRMS full scan mass range must cover 25 to 1500 amu. or greater.

Reference in Contractors Proposal: _____

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4. The GC-HRMS must provide a mass resolution of 10000 FWHM or higher across a scanned mass range of 100 to 1500 amu. or greater.

Reference in Contractors Proposal: _____

5. The GC-HRMS must provide a mass accuracy of 5 ppm or better (smaller is better) across a scanned mass range of 100 to 1500 amu. or greater.

Reference in Contractors Proposal: _____

6. The GC-HRMS must be capable of full scan rates of 25 spectra per second or faster.

Reference in Contractors Proposal: _____

7. The GC-HRMS must provide full mass range scan EI sensitivity of 10 femtogram of OFN on column with a signal to noise ratio (SNR, RMS) of 10 or better and full mass range scan PCI sensitivity for 1 picogram of BZP with a SNR RMS of 10 or better.

Reference in Contractors Proposal: _____

8. The GC-HRMS mass spectrometer detector must provide a dynamic range of 5 orders or magnitude or higher.

Reference in Contractors Proposal: _____

Accessories:

1. The GC-HRMS must come complete with all spare consumables expected for the normal operation (1 year) including :
- Autosampler vials (min. qty= 200 ea.), amber glass of 2, 10 and 20 ml; - Autosampler liquid syringes (6ea.);
- Headspace syringe (3 ea.);
- All required Gas Chromatograph ferrules (pk. of 10 ea);
- Injector septum (50 ea.) and injector routine maintenance kits (3 ea.);
- Solid phase micro extraction(SPME) fibre kit assortment for multiple applications (2 ea.) consisting of PDMS, acrylate and carbon SPME fibres; and
- Compatible thermal desorption tubes, 25 ea. packed with Tenax, 25 ea. PDMS and 25 ea. Carbopack B/X mixed bed.

Reference in Contractors Proposal: _____

2. The GC-HRMS must come complete with all required gas regulators, gas lines (up to 4 meters in length) and manufacturer recommended gas filters plus 1 spare of each required gas filters must be provided.

Reference in Contractors Proposal: _____

3. The GC-HRMS must come complete with all the tools required for normal maintenance.

Reference in Contractors Proposal: _____

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**ANNEX B
REQUIREMENT/BASIS OF PAYMENT**

The Department of National Defence has a requirement for the supply, installation, calibration, training, manuals, software upgrades, maintenance, licenses and software updates for one Gas Chromatograph/High Resolution Mass Spectrometer.

An irrevocable option to purchase the following has been included:

- A Maintenance Plan for up to four additional one year periods has been included.
- On-site Advanced Training Sessions for up to 2, one year periods.
- Off-site Advanced Training Sessions for up to 2, one year periods.

Description	Qty	Firm All Inclusive Unit Price	Firm All Inclusive Unit Price for Option Year 1 (up to and including one year from contract award)	Firm All Inclusive Unit Price for Option Year 2 (up to and including two years from contract award)	Firm All Inclusive Unit Price for Option Year 3 (up to and including three years from contract award)	Firm All Inclusive Unit Price for Option Year 4 (up to and including four years from contract award)
GAS CHROMATOGRAPH/HIGH RESOLUTION MASS SPECTROMETER	1	\$ _____				
ANNUAL MAINTENANCE PLAN (OPTION)	Per Year		\$ _____	\$ _____	\$ _____	\$ _____
ON-SITE ADVANCED TRAINING SESSIONS (OPTION)	Per user (Two user max)		\$ _____	\$ _____		
OFF-SITE ADVANCED TRAINING SESSIONS (OPTION)	Per user (Two user max)		\$ _____	\$ _____		

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ANNEX B
COMPLETE LIST OF DIRECTORS
(As per Standard Instructions, Clauses and Conditions Part 2)

Name	Position
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____