



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada

Pacific Region

401 - 1230 Government Street

Victoria, B.C.

V8W 3X4

Bid Fax: (250) 363-3344

REQUEST FOR PROPOSAL

DEMANDE DE PROPOSITION

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

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

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

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

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du

fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Public Works and Government Services Canada - Pacific
Region

401 - 1230 Government Street

Victoria, B. C.

V8W 3X4

Title - Sujet UHPLC + Microwave Digestion System	
Solicitation No. - N° de l'invitation F1625-190021/A	Date 2019-09-12
Client Reference No. - N° de référence du client F1625-190021	
GETS Reference No. - N° de référence de SEAG PW-\$VIC-246-7813	
File No. - N° de dossier VIC-9-42087 (246)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-10-30	Time Zone Fuseau horaire Pacific Daylight Saving Time PDT
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Kobenter, Hélène	Buyer Id - Id de l'acheteur vic246
Telephone No. - N° de téléphone (250) 508-7491 ()	FAX No. - N° de FAX (250) 363-3344
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF FISHERIES AND OCEANS See herein	

Instructions: See Herein

Instructions: Voir aux présentes

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

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

1.1.1 There is no security requirement applicable to the Contract.

1.2 Requirement

The requirement is detailed under Article 6.2 of the resulting contract clauses.

1.3 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 from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 Trade Agreements

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), the Canadian Free Trade Agreement (CFTA), the Canada - Chile Free Trade Agreement (CCFTA), the Canada - Colombia Free Trade Agreement, the Canada - Honduras Free Trade Agreement, the Canada - Korea Free Trade Agreement, the Canada - Panama Free Trade Agreement, and the Canada - Peru Free Trade Agreement (CPFTA).

1.5 epost Connect service

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) 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 (2019-03-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.2 Submission of Bids

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

Bid Receiving
Public Works and Government Services Canada
Pacific Region
401 – 1230 Government Street
Victoria B.C.
V8W 3X4

TPSGC.RPReceptiondessoumissions-PRBidReceiving.PWGSC@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions 2003, or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than **Wednesday October 9, 2019 at 2:00PM Pacific Daylight Savings Time (PDT)**. 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 British Columbia.

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

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

- If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (one (1) hard copy)
Section II: Financial Bid (one (1) hard copy)
Section III: Certifications (one (1) hard copy)

- If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

Due to the nature of the bid solicitation, bids transmitted by facsimile will not be accepted.

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 hard copy 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 (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, bidders should:

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

Section I: Technical Bid

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

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment.

3.1.1 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "C" Electronic Payment Instruments, to identify which ones are accepted.

If Annex "C" Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.2 Exchange Rate Fluctuation

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

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

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

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

See Annex A.

4.1.2 Financial Evaluation

4.1.2.1 Evaluation of Price

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, Delivered Duty Paid (DDP) Sidney BC Canada V8L 4B2, shipping charges, Canadian customs duties, and excise taxes included.

4.2 Basis of Selection

4.2.1 Basis of Selection – Mandatory Technical Criteria

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

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, 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 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the Forms for the Integrity Regime website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the Ineligibility and Suspension Policy (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

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 available at the bottom of the page of the Employment and Social Development Canada (ESDC) - Labour's website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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

5.2.3 Additional Certifications Precedent to Contract Award

5.2.3.1 Bona fide agent/Distributor certification

The Bidder certifies that it is a bona fide agent/distributor authorized by the original equipment manufacturer (OEM) to supply, install, and provide the training and warranty services for all equipment and services offered in accordance with the requirement detailed at Annex "A".

Signature

Name (Print)

Date

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

6.1.1 There is no security requirement applicable to the Contract.

6.2 Requirement

The Contractor must provide the products and related installation and training services in accordance with the Requirement at Annex "A".

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

2030 (2018-06-21), General Conditions – Higher Complexity – Goods, apply to and form part of the Contract.

6.3.1.1 Warranty – General Conditions – Modifications

Section 22 entitled Warranty of general conditions 2030 is amended by deleting subsections 3 and 4 in its entirety and replacing it with the following:

3. The Work or any part of the Work found to be defective or non-conforming will be returned to the Contractor's plant for replacement, repair or making good. However, when in the opinion of Canada it is not expedient to remove the Work from its location, the Contractor must carry out any necessary repair or making good of the Work at that location. In such cases, the Contractor will be responsible for all Costs (including travel and living expenses) incurred in so doing, Canada will not reimburse these Costs.
4. The Contractor must pay the transportation cost associated with returning the Work or any part of the Work to the Contractor's plant pursuant to subsection 3. The Contractor must also pay the transportation cost associated with forwarding the replacement or returning the Work or part of the Work when rectified to the delivery point specified in the Contract or to another location directed by Canada.

All other provisions of the warranty section remain in effect.

6.3.2 Supplemental General Conditions

The Supplemental General Conditions listed below, apply to and form part of the Contract:

4001 (2015-04-01), Hardware Purchase, Lease and Maintenance

4003 (2010-08-16), Licensed Software

4004 (2013-04-25), Maintenance and Support Services for Licensed Software

4010 (2012-07-16), Services – Higher Complexity

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables and related services identified in Annexes "A" and "B" must be received to the satisfaction of the DFO Technical Authority on or before March 20, 2020 (MANDATORY).

The Contractor must contact the Technical Authority at least three (3) weeks before the delivery date to coordinate delivery, installation, and training dates.

6.4.2 Delivery Points

Delivery of the requirement will be made to delivery point specified at Annexes "A" and "B" of the Contract.

6.4.3 Shipping Instructions – Delivery at Destination

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

Delivered Duty Paid (DDP) Institute of Ocean Sciences, 9860 West Saanich Road, Sidney, British Columbia Canada V8L 4B2 Incoterms 2000 for shipments from a commercial contractor

6.4.4 Optional Goods and/or Services

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Item B.2 of Annex "B" of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The 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 the option within sixty (60) days after contract award by sending a written notice to the Contractor.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Hélène Kobenter
Procurement Specialist
Public Works and Government Services Canada
1230 Government Street, Room 401
Victoria, British Columbia, Canada
V8W 3X4

Telephone: (250) 508-7491

Email: Helene.Kobenter@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

The DFO Technical Authority for the Contract is: *(To be inserted at time of contract award)*

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 Contractor's Representative *(As specified by the Bidder in its Bid)*

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone: _____

Facsimile: _____

E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm lot prices as specified in Annex "B" for a cost of

\$_____ (*Amount inserted at time of contract award*). Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.6.2 Single Payment

Canada will pay the Contractor upon completion and delivery of the Work in accordance with the payment provisions of the Contract if:

- a. an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. all such documents have been verified by Canada;
- c. the Work delivered has been accepted by Canada.

6.6.3 SACC Manual Clauses

C0100C (2010-01-11) Discretionary Audit – Commercial Goods and/or Services

C2604C (2013-04-25) Custom Duties, Excise Taxes and Applicable Taxes - Non-resident

6.6.4 Electronic Payment of Invoices – Contract *(As specified by the Bidder in Annex "C")*

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.7 Invoicing Instructions

1. 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.

Each invoice must be supported by:

- a. a copy of the release document and any other documents as specified in the Contract.
2. Invoices must be distributed as follows:
 - a. One copy must be emailed to the Technical Authority identified under the section entitled "Authorities" of the Contract for certification and payment; and
 - b. One copy must be emailed to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.8 Certifications and Additional Information

6.8.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.9 Applicable Laws

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

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) the following supplemental general conditions:
 - 4001 (2015-04-01), Hardware Purchase, Lease and Maintenance
 - 4003 (2010-08-16), Licensed Software
 - 4004 (2013-04-25), Maintenance and Support Services for Licensed Software
 - 4010 (2012-07-16), Services – Higher Complexity;
- (c) the general conditions 2030 (2018-06-21), General Conditions – Higher Complexity – Goods, including the modifications to the warranty conditions stated in article 6.3.1.1;
- (d) Annex A, Requirement;
- (e) Annex B, Basis of Payment;
- (f) the Contractor's bid dated _____ (*Date inserted at time of contract award*).

6.11 Insurance

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

6.12 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.

6.13 SACC Manual Clauses

A2000C (2006-06-16) Foreign Nationals (Canadian Contractor)
A2001C (2006-06-16) Foreign Nationals (Foreign Contractor)
A9019C (2011-05-16) Hazardous Waste Disposal
A9068C (2010-01-11) Government Site Regulations
B1501C (2018-06-21) Electrical Equipment
B7500C (2006-06-16) Excess Goods
D0018C (2007-11-20) Delivery and Unloading
D2025C (2017-08-17) Wood packaging materials

ANNEX "A"

REQUIREMENT

ULTRA HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (UHPLC) SYSTEM and MICROWAVE DIGESTION SYSTEM

Fisheries and Oceans Canada requires applicable vendors to supply, deliver, install, and provide on-site training and warranty services for (i) one Ultra High Performance Liquid Chromatography (UHPLC) System; and (ii) one microwave digestion system in the Mass Spectrometry Laboratory at the Institute of Ocean Sciences (IOS) in Sidney, BC.

The UHPLC system will be used as a research and monitoring tool for the quantitative and qualitative analysis of a wide variety of organic and inorganic compounds present at trace- to high-levels in environmental and biological samples associated with whales, their habitat, and marine ecosystems. Environmental samples may include air, water and sediments while biological samples may include tissues and biofluids. Principal areas of application include the analysis of pharmaceuticals and personal care products, marine biotoxins, perfluorinated compounds, and endocrine-disrupting chemicals, as well as organic forms of arsenic, mercury, cadmium and lead, using various separation modes including, but not limited to: ion exchange; hydrophilic interaction; reversed and normal phase; and, semi-preparative modes.

The microwave digestion system will be used to optimize the recovery of target chemicals, especially metals, in environmental and biological samples.

The supplied UHPLC System shall include all parts, equipment, accessories and software necessary for analysis and must be fully compatible and integrate seamlessly with mass spectrometry (MS) detection systems (AB/Sciex API5000 tandem mass spectrometer with Analyst software v1.6.2, and PE/Sciex Elan DRC II inductively-coupled plasma mass spectrometer with Elan v3.5 and Chromera software) currently used in the Lab. The supplied microwave digestion system shall include all necessary parts, equipment, accessories and software and be capable of operation using available computer systems in the Lab.

The Supplier must submit, with their bid package, current literature for the make and model of system components being offered that clearly demonstrates how each system complies with the required specifications. The Supplier must respond in detail to each item in the specifications detailed below. Failure to do so, or failure to reply in sufficient detail, may severely impact on the assessment of the Vendor's system. The provision of company literature **only** is not acceptable and may result in the Vendor being deemed non-responsive.

The Bidder/Supplier must be an authorized distributor or manufacturer of the equipment being offered.

All systems and components must be in accordance with common industry practice including CSA and applicable ISO standards and test methods. Systems and components must be factory supplied and warranted for a minimum of 1 year by the Original Equipment Manufacturer (OEM).

The equipment being offered must be new and the current production model. The equipment must include any or all standard equipment normally included, either implied or stated, on the model quoted.

Mandatory Technical Evaluation Criteria

Ultra High Performance Liquid Chromatography (UHPLC) System and Microwave Digestion System

- a) The UHPLC System consist of at least, but is not be limited to, the following major components, complete with all software/hardware and interfacing necessary to make a fully integrated system. The specifications itemized below are minimum specifications.

1. Pump Module – Section A Part 1
2. Autosampler – Section A Part 2
3. Diode Array Detector/ Photodiode Array – Section A Part 3
4. Compatibility with current systems used in the lab – Section A Part 4
5. General system requirements – Section B

- b) The Microwave digestion system

6. General system requirements – Section C

Important Instructions

Bidders must demonstrate their compliance with the following sections of the bid solicitation by providing substantial information describing completely and in detail how each mandatory technical criterion is met.

Bidders must provide with their technical bid, a document indicating clearly where the substantial information for each of the sections identified below can be found.

Canada requests that bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

Answers stating “compliance”, “comply”, “yes”, or other types of positive responses without substantive documentation or literature to justify compliance will be deemed as non-compliant and no further evaluation of the bid will be performed.

The table provided below shows a suggested layout of technical bid to demonstrate compliance with each mandatory requirement:

Identifies Line #	Mandatory Technical Criteria Section A Part 1 - Pump Module(s)	Criterion Met? Yes/No	Reference to supplied material to substantiate Yes
99.9.9	<i>Must be accurate to 0.0001”</i>	Yes	<i>Refer to Page 3 of brochure titled “xxxx”</i>

#	Mandatory Technical Criteria Section A Part 1 - Pump Module(s) <i>The Pump Module(s) offered must support all of the following features and performances when operated in conjunction with all other system components requirements detailed in this Annex</i>	Criterion Met?	Documented on page#
1	<p>Must be dual piston pump system. Pump capable of producing ternary (or greater) linear or curved gradient flow.</p> <p>Performance Requirement:</p> <ul style="list-style-type: none"> i. Ternary (or greater) gradient production with a minimum of six solvent reservoirs connected to the system. ii. Variable gradient composition for each gradient, programmable for linear, curved or stepped gradient flow. 		
2	<p>Must include a thermostatted column compartment</p> <p>Performance Requirement:</p> <ul style="list-style-type: none"> iii. Be capable of cooling and heating and provide a reproducible regulated temperature from 10 to 60°C selectable in at least 1 °C increment iv. The column compartment or accessory module must be capable of accommodating a minimum of one chromatography column plus attached guard column up to a total length of 300mm. 		
3	<p>Must include integrated automatic eluent degassing or accessory degassing module for all eluent channels</p> <p>Performance Requirement:</p> <ul style="list-style-type: none"> v. Integrated eluent degassing or accessory degassing module capable of degassing a minimum of 3 eluent channels simultaneously vi. Integrated eluent degassing or accessory degassing module capable of degassing a combined total eluent flow up to 2 ml/min 		
4	<p>Pump Flow, Pressure, Accuracy and Precision</p> <p>Performance Requirement:</p> <ul style="list-style-type: none"> vii. Pump must be capable of delivering flow from 0.1 to 2 mL/min viii. Pump must be capable of pumping at pressures up to at least 1200 bar ix. Pump accuracy must be $\pm 1\%$ or 10 $\mu\text{L}/\text{min}$, whatever is greater x. Pump precision must be $\leq 0.075\%$ RSD or 0.02 min SD, whatever is greater; based on retention time at constant temperature 		

#	Mandatory Technical Criteria Section A Part 1 - Pump Module(s) <i>The Pump Module(s) offered must support all of the following features and performances when operated in conjunction with all other system components requirements detailed in this Annex</i>	Criterion Met?	Documented on page#
5	<p>Must consist of chemically and biologically inert tubing, flow paths and components and be considered fully biocompatible</p> <p>Performance Requirements for Chemical/Biological inertness:</p> <ul style="list-style-type: none"> xi. System resistant to extremes in pH (pH 2-12) xii. System resistant to aggressive solvents, acids and chemicals including but limited to: phosphoric acid (0.02%), trifluoroacetic acid (1%), tetrahydrofuran (15%), triethylamine, (1%) nitric acid (5%), sulphuric acid (5%), dimethylsulfoxide, acetonitrile, hexane, acetone, methylene chloride xiii. System resistant to high salt (buffer) concentrations (1M) <p>If more than one configuration is needed to meet operational requirements (i.e. normal phase vs. reverse phase), accessory kits, tubing, cells, etc. must be included in order to meet the specification.</p>		
6	<p>Must have integrated pump seal wash</p> <p>Performance Requirement:</p> <ul style="list-style-type: none"> xiv. Must be equipped with a system that flushes pump seals with a seal wash solution 		
7	<p>Must have effective eluent mixing and automatic solvent compression compensation.</p> <p>Performance Requirement:</p> <ul style="list-style-type: none"> xv. Must be equipped with eluent gradient mixing module (or equivalent) and solvent compressibility compensation. 		

#	Mandatory Technical Criteria Section A Part 2 – Autosampler <i>The Autosampler offered must support all of the following features and performances when operated in conjunction with all other system components requirements detailed in this Annex</i>	Criterion Met?	Documented On page#
8	<p>Must be compatible with the maximum pressures and flow rates produced by the pump module being offered; specified in "Section A Part 1 - Pump Module"</p> <p>Performance Requirement:</p> <ul style="list-style-type: none"> xvi. Auto sampler must be designed to operate with mobile phase flow rates to 2.0 ml/min xvii. Auto sampler must be designed to operate with mobile phase pressures up to 1200 bar 		
9	<p>Performance Requirement:</p> <ul style="list-style-type: none"> xviii. Must be capable of variable volume injection, 1µl-200µl. xix. Must have an injection volume precision of greater than 0.7% and accuracies of ±2% xx. Must operate with a sample carryover of less than 0.004% 		
10	<p>Performance Requirement:</p> <ul style="list-style-type: none"> xxi. Injector needle must be of in-line design where the injector needle is part of the high pressure flow path while in inject mode. 		
11	<p>Performance Requirement:</p> <ul style="list-style-type: none"> xxii. Sample compartment temperature settable from approximately 15 °C below ambient to 40 °C 		
12	<p>Performance Requirement:</p> <ul style="list-style-type: none"> xxiii. Must have integrated needle wash with external wash solution xxiv. Must be configurable to accommodate a variety of standard vial or plate types, including 4ml, 1.8ml/2ml vials, 1.5ml and 0.5ml micro-centrifuge tubes 		
13	<p>Performance Requirement:</p> <ul style="list-style-type: none"> xxv. Must have random access to any vial or plate position 		
14	<p>Performance Requirement:</p> <ul style="list-style-type: none"> xxvi. Must have ability to perform sample dilutions or reagent additions 		

#	Mandatory Technical Criteria Section A Part 3 - Diode Array Detector/Photodiode Array <i>The Diode Array Detector/Photodiode Array offered must support all of the following features and performances when operated in conjunction with all other system components requirements detailed in this Annex</i>	Criterion Met ?	Documented On page#
15	Performance Requirements: xxvii. Wavelength range from 190-800nm, resolution can be set at 1.2 nm and others xxviii. Equipped with deuterium lamp xxix. Data collection from the full spectrum of available wavelengths simultaneously xxx. Equipped with chemically inert flow paths and biocompatible flow cell as per item 5 above xxxi. Supplied with optional analytical flow cell xxxii. Capable of data acquisition rate of 80 points per second xxxiii. Supports analysis from conventional LC to ultra-fast and UHPLC analysis		

#	Mandatory Technical Criteria Section A Part 4 –Compatibility with current systems used in the lab	Criterion Met ?	Documented On page#
16	Compatibility Requirements: xxxiv. Be able to be controlled with existing Analyst v1.6.2 software during (UHP)LC-MS/MS and (UHP)LC-PDA (DAD) analysis by a computer running Windows 7 professional service pack 1. xxxv. Be able to be controlled with existing Elan v3.5 and Chromera software during (UHP)LC-ICP-MS analysis by a computer running Windows 7 professional service pack 1.		

#	Mandatory Technical Criteria Section B General Conditions <i>The complete UHPLC system offered must include and support the following:</i>	Criterion Met?	Documented On page#
1	Designed for unattended operation and must be fully integrated with the workstation		
2	The instrument to include all necessary wiring, connectors, tubing, and fittings for complete turn-key system installation and testing.		
3	The system must be supplied with any specialized tools, tool kit(s) or maintenance manuals necessary for maintaining routine operation by DFO		
4	<p>By indicating "met", the supplier agrees to provide pre-installation site specifications to ensure site-readiness for installation.</p> <p>The Contractor must identify in its bid all SITE REQUIREMENTS including bench space, temperature and operating range, electrical connections (voltages and numbers), gases and regulators required, and other special requirements (venting, etc.)</p>		
5	The System must be powered by either 115V or 208V AC 50/60Hz power or must include equipment for conversion to compatible voltage.		
6	<p>All electrical equipment supplied under the Contract must be certified or approved for use in accordance with the <u>Canadian Electrical Code</u>, Part 1, before delivery, by a certification organization accredited by the Standards Council of Canada.</p> <p>The bidder agrees to submitting a certificate evidencing compliance with this requirement upon request from the Technical Authority</p>		

#	Mandatory Technical Criteria Section B General Conditions	Criterion Met?	Documented On page#
	<i>The complete UHPLC system offered must include and support the following:</i>		
7	<p>Performance Verification:</p> <p>Performance verification documentation must be provided (Printed Paper of .PDF file) after system installation and training for on-site acceptance by the DFO Technical Authority.</p> <p>The system performance specifications listed below are intended to supplement the Vendor's standard installation tests and are designed to ensure that the system supplied is able to meet the performance levels required.</p> <p>By indicating "met", the supplier agrees to provide written results of actual tests performed on the supplied unit after system installation. Detection limits and precision results listed in brochures will not be accepted.</p> <p>After installation, the system must meet or exceed the performance specifications below:</p> <p>Part 3: Diode Array Detector/Photodiode Array – Section A Part 3:</p> <ul style="list-style-type: none"> a) Detect analytes such as Domoic acid to approximately 0.03 ng on column. b) Demonstrate a dynamic range of 4 orders of magnitude within a single analytical run. c) Demonstrate uniform non-volatile analyte response factor of +/- 15%RSD or less between a minimum of 4 different analytes within a single analytical run. d) Demonstrate average detector precision of <3% RSD with nominal 0.1-100 ng analyte on column, minimum 5 injections. 		
8	<p>A minimum of 2 days training for 2 operators is required and to be completed simultaneously with installation/validation testing.</p> <p>Training to be scheduled during standard work hours, approximately 9:00 am – 4:30 pm, Monday-Friday for a minimum 7 hours/day</p> <p>Training to include usage instruction on all software and hardware components, routine maintenance requirements and equipment troubleshooting.</p>		
9	All deliverables listed in this Annex must be received and on or before Mar 20, 2020 (MANDATORY)		
10	Comprehensive on-site warranty by approved Factory Service Representative of one (1) year from date of completion of the contract and acceptance of all deliverables by the DFO Technical Authority		

#	Mandatory Technical Criteria Section B General Conditions	Criterion Met?	Documented On page#
	<i>The complete UHPLC system offered must include and support the following:</i>		
11	The warranty period will not start until all deliverables have been completed to the satisfaction and acceptance of the DFO Technical Authority.		
12	On-site warranty and maintenance service by authorized Factory Service Representative (FSR) must be available within five (5) calendar days of a service request.		
13	Telephone support service calls must be responded to within one (1) calendar day of a service request		
14	As part of the one (1) year on-site warranty service support required with the system, the Contractor must provide access to trained UHPLC application chemists to provide assistance in method development and application support pertaining to the UHPLC system delivered and installed by the Contractor pursuant to this contract. Access may be by telephone or on-line and must be responded to within three (3) calendar days of a service request		

#	Mandatory Technical Criteria Section C	Criterion Met?	Documented On page#
	<i>The microwave digestion system offered must include and support the following:</i>		
1	Be able to process up to 16 samples for each run		
2	Be able to monitor sample temperature of each vessel in real-time		
3	Hardware interlocks to ensure safety during operation		
4	Be able to be controlled and operated with the lab's existing computers running Windows 7 professional service pack 1		
5	Be able to digest high (≥ 3 g) and low sample amounts (≤ 0.1 g) as well as high (≥ 50 mL) and low sample volumes (≤ 100 μ L)		
6	The instrument to include all necessary wiring, connectors, vessels, and fittings for complete turn-key system installation and testing.		
7	The system must be supplied with any specialized tools, tool kit(s) or maintenance manuals necessary for maintaining routine operation by DFO		
8	Performance verification documentation must be provided (Printed Paper or .PDF file) after system installation and training for on-site acceptance by the DFO Technical Authority		

ANNEX "B"
BASIS OF PAYMENT

Bidders must complete and submit the financial evaluation table provided in this Annex with their bid.

Bidders must submit firm prices for items B.1 (Firm Requirement) and B.2 (Optional Requirement) for their financial bid to be given further consideration in the process.

Budget permitting, Item B.2 (Optional Requirement) may be purchased in accordance with the terms and conditions detailed in section 6.4.4 of the contract.

Pricing must be in Canadian dollars, Applicable Taxes excluded, Delivered Duty Paid (DDP) Sidney BC Canada V8L 4B2, shipping charges, Canadian customs duties, and excise taxes included.

Pricing must include firm and inclusive of all direct and indirect expenses incurred in performing the requirement including but not limited to all labour, fringe benefits, overhead, supervision, tools, equipment, materials, parts, environmental fees, manuals, travel time, travel and living expenses, transportation costs, reports, general and administrative costs, profit required to do the work, all related duties and other costs paid by the Supplier such as additional surcharges, and transportation fees.

Pricing must also include removal and recycling of all packaging materials and waste in accordance with any applicable laws.

No other charges will be accepted.

Failure to comply with any of the instructions provided in this Annex will render the bid non-responsive.

Item	Description	Quantity	Unit of Issue	All-Inclusive Firm Price CAD (GST/HST extra)
B.1	Firm Requirement Supply, deliver, install, and provide on-site training and warranty services for one (1) Ultra- High performance Liquid Chromatography (UHPLC) System in compliance with the requirement detailed in Annex A. Completion date: March 20, 2020 (MANDATORY)	1	LOT	\$
B.2	Optional Requirement Supply, deliver, install, and provide on-site training and warranty services for one (1) Microwave Digestion System in compliance with the requirement detailed in Annex A. Completion date: March 20, 2020 (MANDATORY)	1	LOT	\$
EVALUATED PRICE = B.1 + B.2 (Applicable Taxes excluded) DDP Sidney BC				\$

Solicitation No. - N° de l'invitation
F1625-190021/A
Client Ref. No. - N° de réf. du client
F1625-190021

Amd. No. - N° de la modif.
File No. - N° du dossier
VIC-9-42087

Buyer ID - Id de l'acheteur
Vic246
CCC No./N° CCC - FMS No./N° VME

ANNEX "C" to PART 3 OF THE BID SOLICITATION
ELECTRONIC PAYMENT INSTRUMENTS

As indicated in Part 3, clause 3.1.2, the Bidder must identify which electronic payment instruments they are willing to accept for payment of invoices.

The Bidder accepts any of the following Electronic Payment Instrument(s):

- ☐ VISA Acquisition Card;
- ☐ MasterCard Acquisition Card;
- ☐ Direct Deposit (Domestic and International);
- ☐ Electronic Data Interchange (EDI);
- ☐ Wire Transfer (International Only);
- ☐ Large Value Transfer System (LVTS) (Over \$25M)