



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada
800 Burrard Street, Room 219
800, rue Burrard, pièce 219
Vancouver, BC V6Z 0B9
Bid Fax: (604) 775-7526

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
219 - 800 Burrard Street
800, rue Burrard, pièce 219
Vancouver, BC V6Z 0B9

Title - Sujet Titration & Chemical AnalyzerSystem	
Solicitation No. - N° de l'invitation K8F10-170167/A	Date 2016-09-01
Client Reference No. - N° de référence du client K8F10-170167	
GETS Reference No. - N° de référence de SEAG PW-\$VAN-532-7859	
File No. - N° de dossier VAN-6-39143 (532)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-10-12	Time Zone Fuseau horaire Pacific Daylight Saving Time PDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Takasaki, Alan H.	Buyer Id - Id de l'acheteur van532
Telephone No. - N° de téléphone (604) 775-7605 ()	FAX No. - N° de FAX (604) 775-7526
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF THE ENVIRONMENT Pacific & Yukon Lab for E. Testing 2645 DOLLARTON HWY N.VANCOUVER British Columbia V7H 1B1 Canada	

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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File No. - N° du dossier
VAN-6-39143

Id de l'acheteur - Buyer ID
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Title: Multi-Parameter Titration and Chemical Analyzer System

PART 1 - GENERAL INFORMATION

1.1 Summary

Environment and Climate Change Canada, Pacific and Yukon Laboratory for Environmental Testing (PYLET) requires the supply, delivery and installation of an automated Multi-Parameter Titration and Chemical Analyzer System capable of measuring various parameters including pH, Specific Conductance, Alkalinity, Acidity and Biochemical Oxygen Demand (BOD) in waters.

1.2 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.

1.3 Trade Agreements

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelinesstandard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelinesstandard-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](#) (2016-04-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: 120 days

2.2 Submission of Bids

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

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 14 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 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.

2.5 Improvement of Requirement during the Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least 20 days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

Section I: Technical Bid (2 hard copies) and 1 soft copy on USB preferred.
Section II: Financial Bid (2 hard copies)
Section III: Certifications (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) 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 demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements.

The technical bid consists of the following:

- i. **Bid Submission Form:** Bidders are requested to include the Bid Submission Form with their bids. It provides a common form in which bidders can provide information required for evaluation and contract award, such as a contact name, the Bidder's Procurement Business Number, the Bidder's status under the Federal Contractors Program for Employment Equity, etc. Using the form to provide this information is not mandatory, but it is recommended. If Canada determines that the information required by the Bid Submission Form is incomplete or requires correction, Canada will provide the Bidder with an opportunity to do so.
- ii. **Substantiation of Technical Compliance:** The technical bid must substantiate the compliance of the Bidder and its proposed solution with the specific articles of Annex A (Requirement) identified in the Substantiation of Technical Compliance Form, which is the requested format for providing the substantiation. The Substantiation of Technical Compliance Form is not required to address any parts of this bid solicitation not referenced in the form. The substantiation must not simply be a repetition of the requirement(s), but must explain and demonstrate how the Bidder will meet the requirements and carry out the required Work. Simply stating that the Bidder or its proposed solution or product complies is not sufficient.

Bidders:

- a Must designate the brand name, model and/or part number of the proposed product; and
- b Must provide complete specifications and descriptive literature to substantiate that the proposed product's meets the mandatory requirements that are specified in the bid solicitation (Form B)

Where Canada determines that the substantiation is not complete, the Bidder will be declared non-responsive and disqualified. The substantiation may refer to additional documentation submitted with the bid - this information can be referenced in the "Reference" column of the Substantiation of Technical Compliance Form, where

bidders are requested to indicate where in the bid the reference material can be found, including the title of the document, and the page and paragraph numbers; where the reference is not sufficiently precise, Canada may request that the Bidder direct Canada to the appropriate location in the documentation.

In conducting its evaluation of the bids, Canada may, but will have no obligation to, request bidders to demonstrate, at the sole cost of bidders, that the proposed product meets all mandatory criteria that are specified in the bid solicitation.

3.1.1 Best Delivery Date - Bid

While the delivery is requested by March 31, 2017, the best delivery that could be offered is _____.

Section II: Financial Bid

- i. Bidders must submit their financial bid in accordance with the Basis of Payment in Annex "B". The total amount of Applicable Taxes must be shown separately.
- ii. **Blank Prices:** Bidders are requested to insert "\$0.00" for any item for which it does not intend to charge or for items that are already included in other prices set out in the tables. If the Bidder leaves any price blank, Canada will treat the price as "\$0.00" for evaluation purposes and may request that the Bidder confirm that the price is, in fact, \$0.00. No bidder will be permitted to add or change a price as part of this confirmation. Any bidder who does not confirm that the price for a blank item is \$0.00 will be declared non-responsive.
- iii. **Optional Components and consummables:** Bidders are also requested to provide a list of optional components or consummables directly used by the proposed Titration and Chemical Analyzer System. The prices will remain firm for a period of one year from contract award.

3.1.2 Electronic Payment of Invoices – Bid

- a) 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.
- b) 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.
- c) Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.3 Exchange Rate Fluctuation

The requirement does not offer exchange rate fluctuation risk mitigation. Requests for exchange rate fluctuation risk mitigation will not be considered. All bids including such provision will render the bid non-responsive.

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

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

4.1.1 Technical Evaluation

4.1.1.1. Mandatory Technical Criteria

- a. Each bid will be reviewed for compliance with the mandatory requirements of the bid solicitation. Any elements of the bid solicitation that are identified specifically with the words "must" or "mandatory" is a mandatory requirement. Bids that do not comply with each and every mandatory requirement will be declared non-responsive and be disqualified.
- b. The mandatory requirements are described in Annex A

4.1.2 Financial Evaluation

4.1.2.1 Evaluation of Price – Bid

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

For evaluation purposes, the Total Bid Price (Table B.1) using the pricing tables completed by the bidders will be calculated as follows:

The unit price quoted for item 1.1 in Annex B times 1 unit;
plus the unit price quoted for item 1.2 in Annex B times 1 unit;
plus the unit price quoted for item 1.3 in Annex B times 1 lot;
plus the unit price quoted for item 1.4 in Annex B times 1 lot;

equals the Total Bid Price.

4.1.2.2 Maximum Funding

The maximum funding available for the Contract resulting from the bid solicitation is \$90,000.00 CDN (Applicable Taxes extra). Bids valued in excess of this amount will be considered non-responsive. This disclosure does not commit Canada to pay the maximum funding available.

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 *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politiquepolicy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, 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 specified will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with 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 (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed).

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

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VAN532
N° CCC / CCC No./ N° VME - FMS

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

6.1 Security Requirements:

There is no security requirement applicable to the Contract.

6.2 Requirement

The Contractor must provide the supply, delivery, installation and commissioning of an automated Multi Parameter Titration and Chemical Analyzer System in accordance with the Requirement at Annex "A" and the Contractor's technical bid entitled _____, dated _____.

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 (2016-04-04), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.3.2 Optional Good and/or Services

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at 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 **12 months** after contract award by sending a written notice to the Contractor.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before 31 mars 2017.

6.4.2 Shipping Instructions – Free on Board Destination

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

FOB Destination

Environment and Climate Change Canada
Pacific and Yukon Laboratory for Environmental Testing
Pacific Environmental Science Centre
2645 Dollarton Highway
North Vancouver, BC V7H 1B1
Attn: Mark Saffari

including all delivery charges and customs duties and Applicable Taxes.

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6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Al Takasaki
Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Address: Room 219 - 800 Burrard Street,
Vancouver, B.C. V6Z 0B9

Telephone: 604-775-7605
E-mail address: Al.Takasaki@pwgsc-tpsgc.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 provided at 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 Contractor's Representative

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

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

6.6 Payment

6.6.1 Basis of Payment

1. In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm lot price, as specified in Annex B for a cost of \$_____ (*insert the amount at contract award*). Customs duties are included and Applicable Taxes are extra.
2. 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 Limitation of Price

SACC Manual clause C6000C (2011-05-16) Limitation of Price

6.6.3 Method of Payment

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

6.6.4 Electronic Payment of Invoices – Contract (*To be amended at contract award*)

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 shipper's shipping and unloading bill of lading;

2. Invoices must be distributed as follows:

- a. The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
- b. One (1) copy must be forwarded 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 _____. (*Insert the name of the province or territory as specified by the Bidder in its bid, if applicable.*)

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 general conditions 2010A (2016-04-04) - Medium Complexity - Goods;
- c) Annex A, Requirement;
- d) Annex B, Basis of Payment;
- e) the Contractor's bid dated _____, (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award:*"), as clarified on _____ " **or** ", as amended on _____ " *and insert date(s) of clarification(s) or amendment(s)*).

6.11 Insurance

SACC Manual clause G1005C (2016-01-28) Insurance – No Specific Reason

6.12 Excess Goods

SACC Manual Clause B7500C (2006-06-16) Excess Goods

6.13 Warranty - Modification - General Conditions 2010A

Section 09 entitled *Warranty of general conditions 2010A* is amended by deleting subsection 2 in its entirety and replacing it with the following:

The Contractor must pay the transportation cost associated with returning the Work or any part of the Work to the Contractor's plant for replacement, repair or making good. 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 as directed by Canada. If, 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.

All other provisions of the warranty section remain in effect.

Annex A – REQUIREMENT
Multi-Parameter Titration and Chemical Analyzer System
for Pacific and Yukon Laboratory for Environmental Testing (PYLET)

1. REQUIREMENTS

Environment and Climate Change Canada, Pacific and Yukon Laboratory for Environmental Testing (PYLET) requires the supply, delivery, installation and commissioning of an automated Multi-Parameter Titration and Chemical Analyzer System for its Chemistry section.

2. GENERAL SYSTEM SPECIFICATIONS

1. The overall system must totally automate the following analyses: pH, Specific Conductance, Alkalinity (including Total Alkalinity and p-Alkalinity), Acidity and Biochemical Oxygen Demand (BOD).
2. The overall system must use only one platform, and be controlled by one computer system. Systems using two or more controllers/computer systems for all analyses indicated in 2.1. will not be considered.
3. The system must include a perpetual license (for the life of the instrument) to use the instrument's software.
 - a. The instrument software must produce data in TXT, EXCEL and CSV file formats and be fully compatible with Environment Canada's existing "Element" LIMS system that is supplied by Promium.
 - b. The Contractor must guarantee full compatibility.
4. The complete system must include an auto-sampler with all recommended rack configurations for the above applications, a dedicated computer running on a Windows 7 operating system and network connectivity, and appropriate monitor, QWERTY keyboard, mouse and color printer
5. Contractor must provide a complete and in-depth, hands-on and on-site training (minimum 3 days) of the operation of the instrument and all its components including system software, hardware, troubleshooting and maintenance procedures.
6. System must include a minimum one year on-site warranty, inclusive of all parts, labor and travel and living expenses.

3. TECHNICAL SPECIFICATIONS

A. System Hardware

1. System must be modular and be upgradable for addition or deletion of parameters.
2. System must have the capability of analyzing all titration parameters using one vessel per sample.
3. System must include 1 buret and be upgradable to 4 burets

4. High resolution Buret drive is required. The buret module must offer a minimum of 90,000 steps per stroke
5. System must have inputs for a minimum of 4 separate electrodes, each with its separate reference.
6. System must have a pipetting mechanism that is piston-based, syringeless and valve-less to eliminate cross-contamination.
7. All supplied hardware including burets, electrodes, meters and pipetting modules must be from a single source manufacturer and be completely controlled by the software with an audit trail.
8. Auto-sampler must include all recommended rack configurations for the specified application.
9. Auto-sampler rack must allow for a minimum of 120 (50-mL) vessels for titration analysis.
10. Auto-sampler rack must allow for a minimum of 20 (300-mL) vessels for BOD analysis.
11. The BOD module must include a rinse pump, dilution pump, probe holder and other required accessories for an automated system.

B. System Software

1. Software must display, in real time, sample information as well as QC data and calibration information.
2. Software must display and print titration curves, end-points, injection volumes and times, and all other associated data.
3. Software must provide audit trail for tracking titrants, lot numbers, standardizations and other parameters.
4. Software must allow for automatic startups, priming and calibration
5. Software must have the flexibility to interrupt and insert priority samples during an active run
6. Software must graphically display QC plots, calculate certified reference recoveries and other QC parameters including flagging unacceptable data.

4. SERVICING AND WARRANTY

1. The Contractor must provide on-site installation, testing and commissioning, inclusive of all travel and living expenses.
2. The Contractor must provide onsite familiarization training inclusive of all travel and living expenses.

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3. The system must include a minimum of one year on-site warranty.
4. The Contractor must respond within 1 day and be onsite within 3 days, for any warranty repair requirements.
5. The Contractor must provide access to a technician via telephone or internet, at no additional charge, to assist with instrument trouble shooting.

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ANNEX B BASIS OF PAYMENT

Table B.1 Initial Order

Prices are FOB Destination inclusive of all customs duties and sales taxes are extra.

Item	Description	Qty	Firm Price
1.1	Multi-Parameter Titration and Chemical Analyzer System Make and Model _____	1	\$
1.2	All shipping costs – North Vancouver, BC,	1	\$
1.3	Installation and commissioning costs inclusive of all travel and living expenses.	Lot	\$
1.4	On-site training inclusive of all travel and living expenses.	Lot	\$
	Total B.1		

Table B.2 – Optional Goods and / or Services (for Components and Consumables) (If applicable, will insert items at contract award.)

Item	Description	Qty	Firm Unit Price
2.1		1	\$
2.2		1	\$
2.3		1	\$
2.4		1	\$

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ANNEX “C” to PART 3 OF THE BID SOLICITATION - ELECTRONIC PAYMENT INSTRUMENTS

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)

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FORM A: Bid Submission Form

BID SUBMISSION FORM		
Bidder's full legal name		
Authorized Representative of Bidder for evaluation purposes (e.g., clarifications)	Name	
	Title	
	Address	
	Telephone #	
	Fax #	
	Email	
Bidder's Procurement Business Number (PBN) [see the <i>Standard Instructions 2003</i>]		
Jurisdiction of Contract: Province in Canada the bidder wishes to be the legal jurisdiction applicable to any resulting contract (if other than as specified in solicitation)		
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.		
<p>On behalf of the Bidder, by signing below, I confirm that I have read the entire bid solicitation including the documents incorporated by reference into the bid solicitation and I certify that:</p> <ol style="list-style-type: none">1. The Bidder considers itself and its products able to meet all the mandatory requirements described in the bid solicitation;2. This bid is valid for the period requested in the bid solicitation;3. All the information provided in the bid is complete, true and accurate; and4. If the Bidder is awarded a contract, it will accept all the terms and conditions set out in the resulting contract clauses included in the bid solicitation.		
Signature of Authorized Representative of Bidder		Date

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FORM B: Substantiation of Technical Compliance Form

A. GENERAL INSTRUCTION

- 1) Bidders are requested to:
 - a) indicate opposite each specification under **MANDATORY SPECIFICATIONS**, in the right hand margin under **Comply**, whether or not the Multi-Parameter Titration and Chemical Analyzer System being offered meets / does not meet the requirements and
 - b) reference the page number(s) in the provided Technical literature and in the Technical literature, highlight the technical information that supports your compliance with the mandatory specifications below
- 2) It will be to your advantage to furnish as much detail as possible to support the specifications your comments / claims of compliance for each specification.
- 3) The Crown is under NO obligation to seek clarification of the bid(s) or the supporting technical documentation provided. Bidders should note that failure to demonstrate any capability to which they claim compliance will result in their proposal being considered non-responsive. Any deviation is to be clearly identified and supported with full details.

FORM B: Substantiation of Technical Compliance Form (CONT.)

Article #	Mandatory Specification	Comply		Provide detailed requested and supporting documentation with the reference page #
		Yes	No	
	Proposed Make and Model: _____			
	Multi-Parameter Titration and Chemical Analyzer System			
	The Multi-Parameter Titration and Chemical Analyzer System must meet the following mandatory specifications:			
2.0	GENERAL SYSTEM SPECIFICATIONS			
	1. The overall system must totally automate the following analyses: pH, Specific Conductance, Alkalinity (including Total Alkalinity and p-Alkalinity), Acidity and Biochemical Oxygen Demand (BOD).	_____	_____	page # _____
	2. The overall system must use only one platform, and be controlled by one computer system. Systems using two or more controllers/computer systems for all analyses indicated in 2.1 will not be considered.	_____	_____	page # _____
	3. The system must include a perpetual license (for the life of the instrument) to use the instrument's software.	_____	_____	page # _____
	a) The instrument software must be produce data in TXT, EXCEL and CSV file format and is fully compatible with the Environment Canada's existing "Element" LIMS system that is supplied by Promium.	_____	_____	page# _____
	b) The Contractor must guarantee full compatibility.	_____	_____	page # _____
	4. The complete system must include an auto-sampler with all recommended rack configurations for the above applications, a dedicated computer running on a Windows 7 operating system and network connectivity, and appropriate monitor, QWERTY keyboard, mouse and color printer	_____	_____	page # _____

Article #	Mandatory Specification	Comply		Provide detailed requested and supporting documentation with the reference page #
		Yes	No	
	5. Contractor must provide a complete and in-depth, hands-on and on-site training (minimum 3 days) of the operation of the instrument and all its components including system software, hardware, troubleshooting and maintenance procedures must be provided.	___	___	page # ___
	6. System must include a minimum one year on-site warranty, inclusive of all parts, labor and travel and living expenses.	___	___	page # ___
3.	TECHNICAL SPECIFICATIONS			
	A. SYSTEM HARDWARE			
	1. System must be modular and be upgradable for addition or deletion of parameters	___	___	page # ___
	2. System must have the capability of analyzing all titration parameters using one vessel per sample	___	___	page # ___
	3. System must include 1 buret and be upgradable to 4 burets	___	___	page # ___
	4. High resolution Buret drive is required. The buret module must offer a minimum of 90,000 steps per stroke	___	___	page # ___
	5. System must have inputs for a minimum of 4 separate electrodes, each with its separate reference.	___	___	page # ___
	6. System must have a pipetting mechanism that is piston-based, syringeless and valve-less to eliminate cross-contamination	___	___	page # ___
	7. All supplied hardware including burets, electrodes, meters and pipetting modules must be from a single source manufacturer and be completely controlled by the software with an audit trail.	___	___	page # ___
	8. Auto-sampler must include all recommended rack configurations for the specified application	___	___	page # ___

Article #	Mandatory Specification	Comply		Provide detailed requested and supporting documentation with the reference page #
		Yes	No	
	9. Auto-sampler rack must allow for a minimum of 120 (50-mL) vessels for titration analysis	___	___	page # ___
	10. Auto-sampler rack must allow for a minimum of 20 (300-mL) vessels for BOD analysis	___	___	page # ___
	11. The BOD module must include a rinse pump, dilution pump, probe holder and other required accessories for an automated system	___	___	page # ___
	B. SYSTEM SOFTWARE			
	1. Software must display, in real time, sample information as well as QC data and calibration information.	___	___	page # ___
	2. Software must display and print titration curves, end-points, injection volumes and times, and all other associated data.	___	___	page # ___
	3. Software must provide audit trail for tracking titrants, lot numbers, standardizations and other parameters.	___	___	page # ___
	4. Software must allow for automatic startups, priming and calibration	___	___	page # ___
	5. Software must have the flexibility to interrupt and insert priority samples during an active run	___	___	page # ___
	6. Software must graphically display QC plots, calculate certified reference recoveries and other QC parameters including flagging unacceptable data	___	___	page # ___
4.0	SERVICING AND WARRANTY			
	1. The Contractor must provide on-site installation, testing and commissioning, inclusive of all travel and living expenses.	___	___	page # ___

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Article #	Mandatory Specification	Comply		Provide detailed requested and supporting documentation with the reference page #
		Yes	No	
	2. The Contractor must provide onsite training inclusive of all travel and living expenses.	___	___	page # ___
	3. The system must include a minimum one year onsite warranty.	___	___	page # ___
	4. The Contractor must respond within one day and be onsite within three days, for any warranty repair requirements.	___	___	page # ___
	5. The Contractor must provide access to a technician via telephone or internet, at no additional charge, to assist with instrument trouble shooting.	___	___	page # ___

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NOTE TO BIDDERS: Please use ONE of the two mailing labels below and affix it securely to the outside of the envelope or package containing your bid submitted by mail or courier. Always ensure your company name, return address, open bidding solicitation number and closing date appear legibly on the outside of your bid submission.

AVIS AUX FOURNISSEURS: Pour le retour par la poste ou par messenger, veuillez utiliser UNE des étiquettes d'envoi ci-dessous et apposez-la à l'extérieur de votre enveloppe ou du colis contenant votre offre. Assurez-vous que le nom de votre compagnie, l'adresse de retour, le numéro de l'invitation ouverte à soumissionner et la date de clôture soient lisibles à l'extérieur de votre offre.

Bid Receiving
Public Works & Government Services Canada
219 - 800 BARRARD STREET
VANCOUVER BC V6Z 0B9

Solicitation No. : K8F10-170167/A

Solicitation Closes at: 2:00 PM PT
On October 12, 2016

Réception des soumissions
Travaux publics et services gouvernementaux Canada
800 rue Burrard, 219
Vancouver (C.-B) V6Z 0B9

N° de l'invitation : K8F10-170167/A

La réception des soumissions prend fin le: 12 octobre 2016
à: 14:00 PT
