

**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
**Bid Receiving - PWGSC / Réception des  
soumissions - TPSGC**  
**11 Laurier St./ 11 rue, Laurier**  
**Place du Portage, Phase III**  
**Core 0A1 / Noyau 0A1**  
**Gatineau, Québec K1A 0S5**  
**Bid Fax: (819) 997-9776**

**REQUEST FOR PROPOSAL**  
**DEMANDE DE PROPOSITION**

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

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

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

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

**Comments - Commentaires**

<b>Title - Sujet</b> SPECTROMETRE	
<b>Solicitation No. - N° de l'invitation</b> 01756-140082/A	<b>Date</b> 2013-07-10
<b>Client Reference No. - N° de référence du client</b> 01756-140082	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$PV-915-63073	
<b>File No. - N° de dossier</b> pv915.01756-140082	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2013-08-20</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving Time EDT	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Gosselin, Monique	<b>Buyer Id - Id de l'acheteur</b> pv915
<b>Telephone No. - N° de téléphone</b> (819) 956-3803 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF AGRICULTURE AND AGRI-FOOD 430 BOUL.GOUIN ST JEAN S'RICHELIEU Quebec J3B3E6 Canada	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

**Issuing Office - Bureau de distribution**  
Scientific, Medical and Photographic Division / Division de  
l'équipement scientifique, des produits photographiques et  
pharmaceutiques  
11 Laurier St./ 11 rue, Laurier  
6B1, Place du Portage  
Gatineau, Québec K1A 0S5

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

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## PART 1 - GENERAL INFORMATION

### 1. Security Requirement

There is no security requirement associated with this bid solicitation..

### 2. Requirement

The requirement is detailed under Annex A - Requirement / Basis of Payment.

#### 2.1 Optional Requirement

The Contractor grants to Canada the irrevocable option to purchase up to an additional two (2) units under the same terms and conditions and at the prices stated in Annex A - Requirement / Basis of Payment. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

### 3. Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

## PART 2 - BIDDER INSTRUCTIONS

### 1. Standard Instructions, Clauses and Conditions

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

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

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

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

## 1.1 SACC Manual Clauses

B1000T

Condition of Material

2007-11-30

## 2. Submission of Bids

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

## 3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

## 4. Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in the province of Ontario, Canada.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

## PART 3 - BID PREPARATION INSTRUCTIONS

### 1. Bid Preparation Instructions

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

Section I: Technical Bid (two (2) copies)  
 Section II: Financial Bid (one (1) copy)  
 Section III: Certifications (one (1) 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.

**1.1 Section I: Technical Bid**

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

**1.1.1 Installation**

On-site installation must be provided and be carried out by a qualified service technician.

State your best installation schedule. Installation will be carried out within \_\_\_\_\_ calendar days of delivery and be completed within \_\_\_\_\_ calendar days.

**1.1.2 Training**

On-site user training in French on operating the apparatus and the data processing system must be provided for up to two (2) 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. Provide complete details of training e.g. duration, scope, etc.,

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1.1.3 Service

Purchase of the system must include: technical support; technical phone support; support via the Internet; and support via a fax-back document system. Service cost must be included in the price.

After-sale service, information and technical troubleshooting must be available in French.

**Compliance:** Yes \_\_\_\_\_ No \_\_\_\_\_

Response for service must be within 48 hours or less.

Also, provide the following with your bid

- a) Location of available service facilities (after sales service and repair). List the service facilities closest to the destination.

\_\_\_\_\_

\_\_\_\_\_

- b) Locations of available replacement parts from consumables to major components.

\_\_\_\_\_

\_\_\_\_\_

- c) Response time 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.

\_\_\_\_\_

\_\_\_\_\_

1.1.4 Product(s) Offered

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

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

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

Literature attached: Yes (\_\_\_\_\_) No (\_\_\_\_\_) \_\_\_\_\_

### 1.1.5 Point of Manufacture/Shipping

The Bidder must state the point of manufacture/shipping of goods:

Location: \_\_\_\_\_

Postal Code: \_\_\_\_\_

### 1.1.6 Delivery

While delivery is requested by 31st October 2013, the best delivery that could be offered by the Bidder is \_\_\_\_\_.

### 1.1.7 Software Upgrades

The Bidder must provide all software updates and new releases to the purchaser for a period of one year 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.

### 1.1.8 Contacts

Bidders are requested to provide the following: Information pertaining to Article 5.3, Contractor Representatives under Part 6, Resulting Contract Clauses.

## 1.2 Section II: Financial Bid

The bidder must quote a firm lot price all inclusive of supply, installation, training and manuals, DDP (St-Jean-sur-Richelieu, 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.

### *Optional Quantities*

A firm unit price must be filled in for each of the option periods. If the bidder fails to quote a firm unit price for each of the option periods, the bidder will be considered non-compliant and no further consideration will be given.

### 1.2.1 Exchange Rate Fluctuation

C3011T

Exchange Rate Fluctuation

2010-01-11

### 1.3 Section III: Certifications

Bidders must submit the certifications required under Part 5.

## PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

### 1. Evaluation Procedures

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

#### 1.1 Technical Evaluation

All proposals submitted must be completed in full and provide all of the information requested in the Request for Proposal (RFP) package to enable a full and complete evaluation. 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.
2. **ABILITY TO MEET THE TECHNICAL REQUIREMENT (MANDATORY):**
  - a) **For Items Defined by Specifications:**

The bidder is requested to cross reference the mandatory technical criteria contained herein to their supporting technical documentation.
  - b) **Provision of Supporting Technical Documentation:**

Supporting technical documentation for the stores offered must 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.
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).

### 1.1.1 Mandatory Technical Criteria

See Annex B - Mandatory specifications for a plasma atomic emission spectrophotometer.

## 1.2 Financial Evaluation

The lowest evaluated price will be established using the following criteria:

- a) prices will be evaluated in Canadian Funds including Excise Taxes, Canadian Customs Duty (if applicable) and applicable taxes excluded. For evaluation purposes, bids received in a foreign currency will be converted to Canadian funds using the appropriate rate of exchange using the rate quoted by the Bank of Canada as being in effect on date of bid closing.
- b) prices will be evaluated on a DDP (St-Jean-sur-Richelieu, Quebec).
- c) for bid evaluation purposes only, the total bid price will be determined by adding the cost for the firm quantity total with the cost for the optional quantities. The quantities identified will be used for each option year.

## 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 quantities) will be recommended for award of a contract.

## PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and related documentation to be awarded a contract. Canada will declare a bid non-responsive if the required certifications and related documentation are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications, to provide the related documentation or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

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## **1. Mandatory Certifications Required Precedent to Contract Award**

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

- 1.1.1 By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003 (*OR insert 2004, as applicable*). The related documentation therein required will assist Canada in confirming that the certifications are true.

## **2. Additional Certifications Required with the Bid**

Bidders must submit the following duly completed certifications with their bid.

### **2.1 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.hrsdc.gc.ca/eng/labour/index.shtml>) available from Human Resources and Skills Development Canada (HRSDC) - Labour's website.

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

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## PART 6 - RESULTING CONTRACT CLAUSES

### 1. Security Requirement

There is no security requirement applicable to this contract.

### 2. Requirement

#### 2.1 Requirement

The Contractor must provide the items detailed under Annex A - Requirement / Basis of Payment.

#### 2.2 Optional Requirement

The Contractor grants to Canada the irrevocable option to purchase up to an additional two (2) units under the same terms and conditions and at the prices stated in the Annex A - Requirement / Basis of Payment. 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 one (1) year after contract award by sending a written notice to the Contractor.

#### 2.3 Installation

On-site installation must be provided and be carried out by a qualified service technician.

#### 2.4 Manuals

One complete set of user documentation in English and French must be supplied.

#### 2.5 Training

On-site user training in French on operating the apparatus and the data processing system must be provided for up to two (2) users.

#### 2.6 Service

Purchase of the system must include: technical support; technical phone support; support via the Internet; and support via a fax-back document system. Service cost must be included in the price.

After-sale service, information and technical troubleshooting must be available in French.

Response for service must be within 48 hours or less.

## 2.7 Software Upgrades

The contractor must provide all software updates and new releases to the purchaser for a period of one year following the acceptance, at no additional cost.

## 3. Standard Clauses and Conditions

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

### 3.1 General Conditions

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

## 4. Term of Contract

### 4.1 Delivery Date

All the deliverables must be received on or before \_\_\_\_\_ **(to be filled in only at contract award)**.

## 5. Authorities

### 5.1 Contracting Authority

The Contracting Authority for the Contract is:

Monique Gosselin  
Public Works and Government Services Canada  
Acquisitions Branch  
Commercial Consumer Products Directorate  
11 Laurier Street, 6A2, Phase III  
Place du Portage, Gatineau, Quebec, K1A 0S5  
Telephone: (819) 956-3803  
Facsimile: (819) 956-3814  
E-mail address: monique.gosselin@pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

## 5.2 Technical Authority **(to be filled in only at contract award)**

The Technical Authority for the Contract is:

Name: \_\_\_\_\_  
 Telephone: (\_\_\_\_) \_\_\_\_\_  
 Facsimile: (\_\_\_\_) \_\_\_\_\_  
 E-mail address: \_\_\_\_\_

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

## 5.3 Contractor's Representative **(fill in)**

The telephone number of the person responsible for:

**General enquiries**  
 Name: \_\_\_\_\_  
 Telephone No. \_\_\_\_\_  
 Facsimile No. \_\_\_\_\_  
 E-mail address: \_\_\_\_\_

**Delivery Follow-up**  
 Name: \_\_\_\_\_  
 Telephone No. \_\_\_\_\_  
 Facsimile No. \_\_\_\_\_  
 E-mail address: \_\_\_\_\_

## 6. Payment

### 6.1 Basis of Payment - Firm Price

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 A - Requirement / Basis of Payment for a cost of \$ \_\_\_\_\_ **(to be filled in only at 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.

### 6.2 SACC Manual Clauses

H1001C Multiple Payment

2008-05-12

## 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.
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.

## 8. Certifications

### 8.1 Compliance

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

## 9. Applicable Laws

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

## 10. Priority of Documents

If there is a discrepancy between the wordings 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 (2013-04-25) General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement / Basis of Payment;
- (d) Annex B, Mandatory Specifications for a plasma atomic emission spectrophotometer;
- (e) the Contractor's bid dated (to be filled in at contract award).

**11. SACC Manual clause**

B1501C	Electrical Equipment	2006-06-16
A9068C	Government Site Regulations	2010-01-11
A2000C	Foreign Nationals (Canadian Contractor)	2006-06-16
A2001C	Foreign Nationals (Foreign Contractor)	2006-06-16

**12. Shipping Instructions - Delivery at Destination**

1. Goods must be consigned to the destination specified in the Contract and delivered:  
  
Delivered Duty Paid (DDP) (ST-jean-sur-Richelieu) 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.

**ANNEX A****REQUIREMENT / BASIS OF PAYMENT**

Agriculture and Agri-food Canada Horticulture Research and Development Centre has a requirement for the supply of one (1) Plasma atomic emission spectrophotometer in accordance with the mandatory specifications detailed in Annex B.

<b>Description</b>	<b>Unit of Issue</b>	<b>Firm Qty</b>	<b>Firm Lot Price, DDP (St-Jean-sur-Richelieu, QC)</b>
Plasma atomic emission spectrophotometer (see Annex B - Mandatory specifications for a plasma atomic emission spectrophotometer)	Lot	1	\$_____

**Optional Quantities:**

<b>Description</b>	<b>Unit of Issue</b>	<b>Opt qties</b>	<b>Firm Lot Price, DDP (St-Jean-sur-Richelieu, QC) 2013-2014</b>	<b>Firm Lot Price, DDP (Summerland, BC*) 2013-2014</b>
Plasma atomic emission spectrophotometer (see Annex B - Mandatory specifications for a plasma atomic emission spectrophotometer)	Lot	2	\$_____	\$_____

\* Address:

Pacific Agri-food Research Centre - Summerland  
 4200 Highway 97  
 Box 5000  
 Summerland BC  
 V0H 1Z0

**ANNEX B**

**MANDATORY SPECIFICATIONS**

**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.**

**1.0 SPECTROMÈTRE**

**1.1** The system must be complete and operational with:

- 11.1 Control system and software programs;
- 11.2 Data processing system;
- 11.3 Pump system and nebulizer for introducing samples;
- 11.4 Automatic sampler with random access for minimum 100 samples;
- 11.5 Cooling and purge system;
- 11.6 All necessary connections; and
- 11.7 A table for the instrument.

**Reference in Contractors Proposal:** \_\_\_\_\_

**1.2** The spectrometer must provide readings of RADIAL and AXIAL plasma views for the same sample in the same measurement sequence;

**Reference in Contractors Proposal:** \_\_\_\_\_

**1.3** The spectrometer must cover 166 to 770 nm spectral range and must be able to read all spectral lines of interest for analytical purposes;

**Reference in Contractors Proposal:** \_\_\_\_\_

**1.4** The 5 ug/l detection limits for the following elements must be GUARANTEED: K, Ca, Mg, P, B, S, Cu, Fe, Mn, Zn, Al, Mo, et Na;

**Reference in Contractors Proposal:** \_\_\_\_\_

**1.5** The detector must provide SIMULTANEOUS determination of a group of elements;

**Reference in Contractors Proposal:** \_\_\_\_\_

**1.6** The RF generator must be " Solid state " , not with power tube;

**Reference in Contractors Proposal:** \_\_\_\_\_

- 1.7** The nebulizer system must accommodate solution with a high dissolved solid content like 5% w/w solids.

**Reference in Contractors Proposal:** \_\_\_\_\_

**2.0 SYSTÈME DE CONTRÔLE ET DE TRAITEMENT DES DONNÉES**

- 2.1** The system must include appropriate computer, screen and printer in order to support the system and instrument;

**Reference in Contractors Proposal:** \_\_\_\_\_

- 2.2** The system must be designed to save all "raw data";

**Reference in Contractors Proposal:** \_\_\_\_\_

- 2.3** The system must have the capacity to save the entire recorded spectrum for future use, including reprocessing of data;

**Reference in Contractors Proposal:** \_\_\_\_\_

- 2.4** The system must have the capability to export data to other computer-based data processing systems (format: ASCII, Excel, ....).

**Reference in Contractors Proposal:** \_\_\_\_\_