



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des soumissions -  
TPSGC**

**See Herein / Voir aux présentes**

**Bid Fax: (819) 997-9776**

**SOLICITATION AMENDMENT  
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**

**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  
L'Esplanade Laurier  
140 O'Connor Street,  
East Tower, 7th Floor  
Ottawa  
Ontario  
K1A 0S5

<b>Title - Sujet</b> Nitrogen Analyzer Machine	
<b>Solicitation No. - N° de l'invitation</b> 01E86-210303/A	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> 01E86-210303	<b>Date</b> 2020-10-20
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$\$PV-939-79116	
<b>File No. - N° de dossier</b> pv939.01E86-210303	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2020-11-05</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Zhao, Rui	<b>Buyer Id - Id de l'acheteur</b> pv939
<b>Telephone No. - N° de téléphone</b> (819) 790-3446 ( )	<b>FAX No. - N° de FAX</b> (819) 956-3814
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b>	<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 (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>

**Amendment 002 has been raised to answer questions received from industry and to make changes to the Request for Proposal as follows:**

**A. TO ANSWER QUESTIONS RECEIVED FROM INDUSTRY**

**Questions/Answers**

- Q1. Page 21 of 26 Annex A, Part 1 – Requirement; 1) Mandatory Technical Requirement: Detector:**  
**(Bullet point 1) – Will you accept nitrogen analyzer which measures nitrogen with gas splitting without affecting the performance of the analyzer?**
- A1.** Yes. The requirement is modified. Please refer to the modifications in section B below.
- Q2. Page 21 of 26 Annex A, Part 1 – Requirement; 1) Mandatory Technical Requirement: Functionality/gas requirements:**
- a) (Bullet point 1) – Will you accept nitrogen analyzer which uses argon or helium as carrier gas without affecting the performance of the analyzer?**
- b) (Bullet point 2) – Will you accept nitrogen analyzer which uses argon or helium as carrier gas without affecting the performance of the analyzer?**
- A2. a)** Helium gas is not accepted. Argon gas is accepted. The requirement is modified. Please refer to the modifications in section B below.
- b)** Helium gas is not accepted. Argon gas is accepted. The requirement is modified. Please refer to the modifications in section B below.
- Q3. Page 22 of 26 Annex A, Part 1 – Requirement; 1) Mandatory Technical Requirement: Functionality/gas requirements:**  
**(Bullet point 3) – Will you accept analyzer uses more than 0.3L of oxygen for each analysis without affecting the performance of the analyzer and at the same time maintaining overall low cost per analysis? Extra oxygen ensure 100% combustion of the sample and presents more accurate test results.**
- A3.** Yes. The requirement is modified. Please refer to the modifications in section B below.
- Q4. Page 22 of 26 Annex A, Part 1 – Requirement; 1) Mandatory Technical Requirement: Electrical capacity:**  
**Will you accept nitrogen analyzer which operates with 230 VAC input power?**

**A4.** Yes. The requirement is modified. Please refer to the modifications in section B below.

**Q5.** Page 24 of 26 Annex A, Part 2 – Mandatory Technical Evaluation Criteria:

**Item 3:**

**Will you accept nitrogen analyzer which uses argon or helium as carrier gas without affecting the performance of the analyzer?**

**A5.** Helium gas is not accepted. Argon gas is accepted. The requirement is modified. Please refer to the modifications in section B below.

**Q6.** Page 24 of 26 Annex A, Part 2 – Mandatory Technical Evaluation Criteria:

**Item 4:**

**Will you accept nitrogen analyzer which operates with 230VAC input power?**

**A6.** Yes. The requirement is modified. Please refer to the modifications in section B below.

## **B. CHANGES TO THE REQUEST FOR PROPOSAL**

### **1. At page 1 of the solicitation – Return Bids To**

**Delete:** 11 Laurier St.  
Place du Portage, Phase III  
Core OB2  
Gatineau, Québec K1A 0S5  
Bid Fax: (819) 997-9776

**Insert:** See Herein

### **2. At Part 6 – Resulting Contract Clauses**

**Delete:** Sub-Section 6.4.2 Delivery Date in its entirety.

**Replace with the following:**

#### **6.4.2 Delivery Date**

The Contractor must deliver the nitrogen analyzer of Annex A by March 31, 2021.

The Contractor should begin installation within 30 calendar days of delivery of the nitrogen analyzer and should complete the installation within 14 calendar days from the installation start date. The Contractor should deliver the on-site training within 30 calendar days of installation.

### **3. At Part 6 – Resulting Contract Clauses**

**Delete:** Sub-Section 6.6.1 Basis of Payment in its entirety.

**Replace with the following:**

#### **6.6.1 Basis of Payment**

##### **Nitrogen Analyzer**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract for the nitrogen analyzer, the Contractor will be paid firm unit prices, as specified in Annex "B" – Basis of Payment, item 1. Customs duties are included and Applicable Taxes are extra.

##### **Installation**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract for the installation, the Contractor will be paid firm unit prices, as specified in Annex "B" – Basis of Payment, item 2. Customs duties are included and Applicable Taxes are extra.

### **Training**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract for the training, the Contractor will be paid firm unit prices, as specified in Annex "B" – Basis of Payment, item 3. 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.

## **4. At Annex "A" - Requirement**

**Delete:** In its entirety and replace with the following:

### **ANNEX A**

#### **Part 1 - REQUIREMENT**

Agriculture Agri-Food Canada has a requirement for the supply of a nitrogen analyzer for protein measurement (herein after referred to as "the instrument"), which must meet all of the mandatory requirements as specified below and the mandatory evaluation criteria as specified at Part 2 - Mandatory Evaluation Criteria.

**The requirement must include all of the following:**

1. A nitrogen analyzer for protein measurement: all the hardware (including pressure regulators for the required gases), accessories, reagent kit, and power supply;
2. Installation;
3. On-site training;
4. Operating manuals; and
5. Warranty.

The requirement must work and operate at all times in accordance with the following mandatory technical requirements and the mandatory evaluation criteria as specified below at Part 2 - Mandatory Evaluation Criteria.

#### **1) Mandatory Technical Requirements:**

##### Furnace:

- The instrument must operate on combustion-based technique.
- The instrument must analyze up to 1 g of organic sample.

---

Sampler:

- The instrument must have a non-stacking automatic sampler for reloading during operation.

Detector:

- The instrument must measure the nitrogen, after reduction of nitrogen oxides to N<sub>2</sub>, with thermal conductivity (TD) detector.
- The reduction of nitrogen oxides technology must run at least 1000 samples before the need to refill the reduction tube.

Functionality/gas requirements:

- The instrument must utilize carbon dioxide or argon as the carrier gas, with high purity (99.995%). The instrument must use pure oxygen (99.995%) for combustion to ensure complete and rapid oxidation of the sample.

Electrical capacity:

- The instrument must operate with 110 or 230 or 240 VAC input power.

Controller and data processing:

- The Instrument control and data collection must work with a standard personal computer (PC) operating Microsoft Windows.
- The Operating software must include automatic calculations and statistical evaluations for sample results.
- All instrument functions, including gas flows and pressures, must be digitally controlled for remote diagnostics via the internet.
- The Data files must be saved in a format that is exportable and readable by Microsoft Excel.

## **2) Installation**

The Contractor must deliver, install, integrate, and configure all deliverables at the location specified under Delivery Point below.

The Contractor must unpack, assemble, and install the deliverables at the site. If applicable, this includes but not be limited to the provision of required moving and installation resources, packing material, vehicles, cranes, personnel, and floor protection panels.

The Contractor must supply all associated materials required to effect complete installation, integration and configuration of the deliverables at the site. This must include but not be limited to such things as all the required power connectors, cables, and any other accessories required to install, integrate and configure the deliverables.

Upon successful completion of the installation, integration and configuration of the deliverables, the Contractor must provide the Technical Authority with written notification that the deliverables are ready for testing.

The Contractor must maintain all work areas at the installation site in a clean and tidy condition on completion of each day's work and on completion of acceptance, including the removal and disposal of all related packing material.

### **3) Training**

The Contractor must provide 1 or 2 day(s) onsite training to the Client in English to a group of up to 5 people: Training must include operation and manipulation of the instrument. The training should include but is not limited to product functionality, product features and limitations.

### **4) Manuals**

The Contractor must deliver 1 complete set of documentation (pdf format, and a hardcopy if available), in English and French with the deliverables.

This documentation must include all publications pertaining to technical specifications, installation requirements and operating instructions.

### **Delivery Point**

K.W. Neatby Building, 960 Carling Ave., Ottawa ON K1A0C6

---

## Part 2 – MANDATORY TECHNICAL EVALUATION CRITERIA

The following requirements are the mandatory technical evaluation criteria which will be evaluated during the Bid Evaluation. In addition the Contractor will be required to meet all of the mandatory technical requirements for the duration of the Contract

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

ITEM	CRITERIA	REFERENCE TO SUBSTANTIATION IN THE TECHNICAL BID.	REQUIRED SUBSTANTIATION
1.	The instrument must operate on combustion-based technique.		The Bidder must provide brochure or technical/test reports.
2.	The instrument must have a non-stacking automatic sampler for reloading during operation.		The Bidder must provide brochure or technical/test reports.
3.	The instrument must utilize carbon dioxide or argon as the carrier gas.		The Bidder must provide brochure or technical/test reports.
4.	The instrument must operate with 110 or 230 or 240 VAC input power.		The Bidder must provide brochure or technical/test reports.



## 5. At Annex "B" – Basis of Payment

**Delete:** In its entirety and replace with the following:

### ANNEX B

#### BASIS OF PAYMENT

The Bidder must provide all of the pricing requested in the following Tables in accordance with **Article 6.6.1 - Basis of Payment.**

**Table 1: Initial Requirement:**

Item	Description	Number of Units	Unit of Issue	Firm Lot Price (CAD)	Extended Price (Number of Units X Firm Lot Price)
1	Nitrogen analyzer in accordance with Annex A	1	Lot	\$	\$ <i>Number of Units X Firm Lot Price</i>
2	Installation in accordance with Annex A	1	Lot	\$	\$ <i>Number of Units X Firm Lot Price</i>
3	Training in accordance with Annex A	1	Lot	\$	\$ <i>Number of Units X Firm Lot Price</i>
Evaluated Price (Sum of items 1 to 3) CAD:					\$

**Table 2: Total Aggregated Bid Price:**

Item	Description	Evaluated Price
1	Total Aggregated Bid Price	As per Evaluated Price from Table 1

**ALL OTHER TERMS AND CONDITIONS OF THE REQUEST FOR PROPOSAL REMAIN UNCHANGED**