



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Bid Receiving - PWGSC / Réception des soumissions  
→ TPSGC  
10th Floor, 4900 Yonge Street /  
10e étage, 4900 rue Yonge  
Toronto  
Ontario  
M2N 6A6

**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**  
Public Works and Government Services Canada  
Ontario Region  
10th Floor, 4900 Yonge Street  
Toronto  
Ontario  
M2N 6A6

<b>Title - Sujet</b> LIBS System	
<b>Solicitation No. - N° de l'invitation</b> 39903-200309/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> 39903-200309	<b>Date</b> 2019-10-24
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$TOR-304-7824	
<b>File No. - N° de dossier</b> TOR-9-42055 (304)	<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 2019-11-04</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 checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Adler Brooks, Julie	<b>Buyer Id - Id de l'acheteur</b> tor304
<b>Telephone No. - N° de téléphone</b> (647) 267-0313 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<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</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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**AMENDMENT 001 RESPONDS TO QUESTIONS FROM POTENTIAL BIDDERS AND MAKES A CORRECTION TO ANNEX A—2.2.2, AND ANNEX C.**

**A. QUESTION & ANSWER**

- Q1.** In the SOR it states: "must have a wide spectrometer wavelength with a minimum range of 250–290 nm." This is not a wide range. Please provide the minimum and maximum range required.
- A1.** The minimum spectrometer wavelength should be listed as 250–900 nm. There is no maximum.
- Q2.** What will samples for analysis look like?
- A2.** Please refer to Annex A, Statement of Requirement - 1.2 Background. The lab uses the spectrometer to test unknown materials from food-related consumer complaints. The samples vary in size, shape, and composition. The most common samples are metal, glass, and rocks/minerals/crystals. Most of these are small (less than 1 cm). If larger samples come in, a smaller portion of the sample is taken for testing.
- Q3.** How are you going to expose the material for LIBS measurement in your laboratory?
- A3.** The current spectrometer is operated without any special exposure considerations. It has a chamber with regular air inside.
- Q4.** Why would you like to replace the current LIBS system?
- A4.** The current LIBS system is showing its age. Although it still works, there are physical issues related to regular wear and tear.

**B. CORRECTION TO ANNEX A—2.2.2 AND ANNEX C—MANDATORY TECHNICAL CRITERIA**

**At: Annex A—2.2.2**

**Delete:**

In its entirety.

**Insert:**

2.2.2 Must have a wide spectrometer wavelength with a minimum range of 250–900 nm;

**At: Annex C—Mandatory Evaluation Criteria**

**Delete:**

In its entirety.

**Insert:**

## **ANNEX C**

### **MANDATORY EVALUATION CRITERIA**

Bidders must demonstrate that they meet each mandatory technical criteria by providing a response to each of the mandatory technical criteria. Bidders must provide evidence including, but not limited to, specifications, brochures, or documented data to show their spectrometer meets each of the mandatory technical criteria. Simply stating that all of the mandatory criteria are met is not sufficient. Failure to meet any of the mandatory criteria will render the bid non-responsive and it will be given no further consideration.

The Laser-Induced Breakdown Spectrometer System must meet the following criteria:

#	MANDATORY TECHNICAL CRITERIA	PAGE # IN BID CORRESPONDING TO CRITERIA
1	Must have at least one laser (Nd: YAG laser, 1064 nm wavelength, or equivalent);	
2	Must have a wide spectrometer wavelength with a minimum range of 250–900 nm;	
3	Must have a high-resolution camera with full sample positioning control;	
4	Must include software that enables identification of elements.	

**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.**