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Bid Receiving Public Works and Government
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1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
Halifax
Nova Scotia
B3J 1T3
Bid Fax: (902) 496-5016

**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
Atlantic Region Acquisitions/Région de l'Atlantique
Acquisitions
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
Halifax
Nova Scotia
B3J 1T3

Title - Sujet Benchtop Spectrometer	
Solicitation No. - N° de l'invitation 01804-200387/A	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client 01804-20-0387	Date 2019-11-15
GETS Reference No. - N° de référence de SEAG PW-SHAL-409-10788	
File No. - N° de dossier HAL-9-83102 (409)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-11-26	
Time Zone Fuseau horaire Atlantic Standard Time AST	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Taylor, Kathie	Buyer Id - Id de l'acheteur hal409
Telephone No. - N° de téléphone (902) 403-4837 ()	FAX No. - N° de FAX (902) 496-5016
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	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

Solicitation No. - N° de l'invitation
01804-200387/A
Client Ref. No. - N° de réf. du client
01804-20-0387

Amd. No. - N° de la modif.
004
File No. - N° du dossier

Buyer ID - Id de l'acheteur
hal409
CCC No./N° CCC - FMS No./N° VME

Amendment 004 is issued to respond to questions raised after the release of the Solicitation.

Q1: **1.B)** The spectral range required is 7800-400cm⁻¹. This specification is not optimal for FTIR (mid-IR) and not based on real instrument performance but rather a marketing lockout. The detector required for mid-IR measurements is not set up for an optimal signal acquisition and sensitivity for the near IR range which is 4000cm⁻¹ and above. This specification is therefore not optimal and questionable for it being in the requirements.

A1: **Delete:** Item 1B in Annex A Requirement

Insert: Item 1B, Annex A Requirement
Include either an integrated ATR or an ATR Accessory. The ATR must have a monolithic diamond crystal. Due to the range of sample pH, Zinc Selenide (ZnSe) is not acceptable as an ATR crystal.

Q2: **1.C)** When upgrading a mid-IR system to a near-IR system such as suggested, there is a significant loss in quality of analysis. This type of upgrade would require a new detector and new set of optics to ensure a sufficient quality of analysis, similar to the point above. We are questioning the reason for an upgradable system when the industry tested and accepted solution is two separate dedicated systems, for mid-IR and near-IR.

A2: The reasoning for an upgradable device as described in 1.C is a business case for a single device with the greatest range of capability. It is not feasible to procure two separate instruments for mid-IR and near-IR nor is it practical considering the physical limitation of available laboratory space.

Q3: **2. F)** Would you be able to confirm the type of gasses that are planning to be analyze that would justify the required resolution of 0.25cm⁻¹? This is a particularly high resolution, higher than normally necessary, and can result in a much higher signal to noise ratio as well as significantly longer collection times.

A3: The reasoning for the capability to achieve high spectral resolutions as listed in 2.F is a business case for a single device with the greatest range of capability for samples requiring resolution in this range.

ALL OTHER TERMS AND CONDITINS REMAIN THE SAME