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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
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Gatineau, Québec K1A 0S5

Title - Sujet SPECTROMETRE	
Solicitation No. - N° de l'invitation 01756-140082/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client 01756-140082	Date 2013-08-05
GETS Reference No. - N° de référence de SEAG PW-\$\$PV-915-63073	
File No. - N° de dossier pv915.01756-140082	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-08-20	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
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: Gosselin, Monique	Buyer Id - Id de l'acheteur pv915
Telephone No. - N° de téléphone (819) 956-3803 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

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Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
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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

Amendment no. 1 is raised to publish all answers to the questions received as of July 18th and July 29th, 2013.

QUESTIONS AND ANSWERS

ANNEX B - MANDATORY SPECIFICATIONS FOR A PLASMA ATOMIC EMISSION SPECTROPHOMETER:

Q.1 Mandatory Specification 1.6: The RF generator must be " Solid state " , not with power tube.

Several ICP users have had bad experiences with short lived Power Tubes and it has become a common misconception that all Power Tubes have short lives.

Does this mean it has to be an all solid-state free-running RF plasma generator, including but not limited to a power supply only, with solid-state chips and circuits (replacing the vacuum power valves and other outdated components) in order to be able to ‘match’ the plasma to different matrices to respond rapidly to changes within the plasma.

A.1 The radio frequency generator must be “solid state,” not with a power tube.

This specification targets the part of the instrument that is the RF generator.

Q.2 Mandatory Specification 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;

Clarification : With Respect to ‘all spectral lines of interest’ would a fair requirement mean that all elements must be represented by at least 3 sensitive and 3 secondary lines to satisfy the requirements of a wide range of sample types and varying complex matrices for each element of interest (K, Ca, Mg, P, B, S, Cu, Fe, Mn, Zn, Al, Mo, et Na)?

A.2 “Must be able to read all spectral lines of interest for analytical purposes” means several lines per element. In practice, this could mean hundreds of spectral lines. It would have been difficult to describe in detail all of these potential lines, and we cannot have a simplified definition as suggested, e.g. at least three main lines for each element. Theoretically, such a request is impossible for an element such as potassium (essential in agriculture), even if dozens of lines are potentially usable for other elements.

Q.3 Mandatory Specification 1.5: The detector must provide SIMULTANEOUS determination of a group of elements

Clarification : Does this mean that the selected analytical wavelengths are all simultaneously integrated in a manner whereby the signal to noise ratio is optimized while the photo-generated charge level is maintained in the linear range of the device. Additionally for every selected wavelength interval, peak and background measurements should be taken simultaneously and the detector capable of simultaneously measuring a set of elements together with multiple internal standard lines so that each analyte element can be paired with a suitable internal standard line.

- A.3 The purpose of this criterion is to eliminate proposals involving sequential devices that are on the market; these belong to another family of devices. The simultaneous analytical line measurement requested must be performed in a single measurement sequence.