Public Works and Government Services Canada | Travaux publics et Services gouvernementaux Canada

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 0B2 / Noyau 0B2
Gatineau, Québec K1A 0S5
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
11 Laurier St./ 11 rue, Laurier
6A2, Place du Portage
Gatineau, Québec K1A 0S5

Title - Sujet Automated pH and titration system	
Solicitation No. - N° de l'invitation H4091-174521/A	**Amendment No. - N° modif.** 001
Client Reference No. - N° de référence du client H4091-174521	**Date** 2018-05-07
GETS Reference No. - N° de référence de SEAG PW-$$PV-955-74758	
File No. - N° de dossier pv955.H4091-174521	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2018-05-30**	**Time Zone** **Fuseau horaire** Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Paradis, Lise	**Buyer Id - Id de l'acheteur** pv955
Telephone No. - N° de téléphone (873) 469-4464 ( )	**FAX No. - N° de FAX** (819) 956-3814
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**	

Canada

Solicitation No. - N° de l'invitation	Amd. No. - N° de la modif.	Buyer ID - Id de l'acheteur
H4091-174521/A	001	PV955
Client Ref. No. - N° de réf. du client	File No. - N° du dossier	CCC No./N° CCC - FMS No./N° VME
H4091-174521	PV955H4091-174521	

Amendment 001

The amendment 001 is raised to answer questions from the Industry.

Questions and answers

Question 1. The bid requests a "chloride electrode" but then references $Na_2S_2O_3$ for the determination of available chlorine. $Na_2S_2O_3$ is typically used in a redox titration, usually with KI and an acid for chlorine determination, indicated with a platinum-ring sensor. A chloride ISE is more suitable for a complexometric titration or standard-addition type analysis, perhaps for chlorides rather than chlorine.

Can you please confirm what type of electrode and/or method you are requesting in criteria 9: "supplied with a pH electrode and a chloride electrode"?

Answer 1. The comment is right. The usage of $Na_2S_2O_3$ is typically used in a redox titration. Our experience with redox probes have shown the possibilities of false positives with the analysis of oxygen bleaches. Having both types of electrodes (redox and chloride ISE electrode) will allow us to compare the results of the probes for different products and will allow us to select the best probe for different applications and update our test methods accordingly.

The criteria 9 does not request to add a “redox” electrode to the instrument. Our lab has already a redox probe.

Question 2. In regards to Criteria 8, "Accommodates up to 4 pH probes". Do all 4 pH probes need to be connected to the instrument simultaneously? What is the need driving this criteria?

Answer 2. No, there is no need to have the four probes to be operated simultaneously. However, we need to have the capacity to connect four probes to the instrument such that we can compare the results of different probes on the same sample whenever we are testing a series of samples that have different textures or matrices.

All other terms and conditions remain the same.