



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
PWGSC/TPSGC Acquisitions Bid Receiving
Box/Boîte de Réception des Soumissions
Bid Receiving Box/Boîte de Récepti
1st Floor/1^{ère} étage, Suite 1212
100-1045 Main Street
Moncton
New Brunswick
E1C 1H1
Bid Fax: (506) 851-6759

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
Acquisitions NB/PEI (Moncton Office) – Bureau
d'acquisitions N.-B./Î.-P.-É. (Moncton)
1045 Main Street / 1045, rue Main
Moncton
New Bruns
E1C 1H1

Title - Sujet Gas Chromatography Instrument Instrument chromatographe en phase gazeuse	
Solicitation No. - N° de l'invitation 01799-220170/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client 01799-220170	Date 2021-08-23
GETS Reference No. - N° de référence de SEAG PW-\$MCT-043-6030	
File No. - N° de dossier MCT-1-44043 (043)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Atlantic Daylight Saving Time ADT on - le 2021-09-09 Heure Avancée de l'Atlantique HAA	
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: Beausoleil (MCT), Timothee	Buyer Id - Id de l'acheteur mct043
Telephone No. - N° de téléphone (902) 388-8377 ()	FAX No. - N° de FAX (506) 851-6759
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

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Client Ref. No. - N° de réf. du client
01799-220170

Amd. No. - N° de la modif.
002
File No. - N° du dossier
MCT-0-44043

Buyer ID - Id de l'acheteur
MCT043
CCC No./N° CCC - FMS No./N° VME

SOLICITATION AMENDMENT 002

THE FOLLOWING AMENDMENT TO THE BID DOCUMENT IS EFFECTIVE IMMEDIATELY. THE
AMENDMENT SHALL FORM A PART OF THE CONTRACT DOCUMENTS.

TENDER CLOSING

Notice is hereby given that the closing date for tenders has been extended from August 24th, 2021 to:

September 9th, 2021 at 2:00pm

QUESTIONS & ANSWERS:

Q1 - The requirements for the GC asks to measure CO2 with a detection limit of 10 times below ambient. Since CO2 has a ambient concentration around 409 ppm the detection limit would be 41 ppm. TCD's have a detection limit of around 100-200 ppm so we were wondering if a Methanizer/FID would be a better solution which would also give you a detection limit of 0.3 ppm ?

A1 - I am open to GC that have high precision range.

Q2 - Is there a particular reason why the use of a TCD is required ?

A2 - The TCD (Thermal conductivity detector) is for CO2 analyses in Ambient Headspace samples. I am aware that some GC system have a FID-based detection of CH4 and CO2 after methanizer conversion along with N2O by ECD and so no TCD.

Q3 - Is Hydrogen intended to be the carrier gas and is Argon or P5 the ECD make up gas? Typically we recommend Nitrogen as our carrier gas but Hydrogen can be used as well.

A3 - Hydrogen was intended to be the carrier gas for the TCD and FID while Argon is the carrier gas for the ECD. Carrier gas for the ECD could also be nitrogen together with the optional addition of P5 or P10 as a make up gas to improve detector response.

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Q4 - Is the following system acceptable to the client ?

Our Greenhouse Gas Analyzer quantifies methane, CO2, N2O, and light hydrocarbons in an air matrix. This system includes an ECD and a methanizer/FID combination to accomplish the analysis. This system is compatible with the Combipal for automated sample introduction and can be used with custom trays for analysis of samples in over 200 12 ml exetainer vials. Total run time is less than 3.5 minutes. Detection limits are 0.1 ppm for N2O and 0.3 ppm for CO2 and light hydrocarbons. A heart cut valve is included to vent analytes that may be damaging to the methanizer/FID.

A4 - Yes, this should be acceptable.

By submission of its bid, the Bidder confirms that it has read and understands the requirements expressed in all amendments and has included all costs of these requirements in the Total Bid Amount.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.
