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86 Clarence Street, 2nd floor
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K7L 1X3
Bid Fax: (613) 545-8067

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
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Issuing Office - Bureau de distribution
Public Works and Government Services / Travaux
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Kingston Procurement
Des Acquisitions Kingston
86 Clarence Street, 2nd floor
Kingston
Ontario
K7L 1X3

Title - Sujet Chromatograph/Spectrometer	
Solicitation No. - N° de l'invitation K3D57-170520/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client K3D57-17-0520	Date 2016-11-07
GETS Reference No. - N° de référence de SEAG PW-\$KIN-620-7009	
File No. - N° de dossier KIN-6-46091 (620)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-11-18	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes	
Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Porter, Marta M.	Buyer Id - Id de l'acheteur kin620
Telephone No. - N° de téléphone (613) 483-6084 ()	FAX No. - N° de FAX (613) 545-8067
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

Amendment 003 – Chromatograph/Spectrometer, is being raised for the following reason:

1. Provide a response back from Public Works and Government Services Canada to questions received from bidders.

Q1. The requirement of the RFP has a significant unique requirements and required compatibility to interface with a custom built sampling system. The following text in italics is from the RFP Annex A:

The Government of Canada, Environment and Climate Change Canada, requires an analytical system to measure trace and ultra-trace levels of volatile organic compounds (VOCs) in ambient air, both from insitu ground sampling and pressurized samples from electropolished stainless steel sampling canisters. This analytical system will be fabricated in-house but requires a GC-MS instrument as its core component. Acquisition of this core GC-MS instrument is the goal of this process.

Since there is a unique and custom sampling system involved, would a site visit be possible to gather information about the interface required between the GC/MS and the sampling system?

A1. The sampling system has not yet been fabricated. This will happen after acquisition of the GS-MS core unit.

Q2. *It must be of a type that maintains comparability with mass spectra from previous instruments used in the laboratory.*

What are the make(s) and model(s) of the previous instruments used in the laboratory?

A2. Agilent 5975 and 5972 MSDs.

Q3. *The final instrument system will be deployed to field sites in a variety of locations. It must be physically robust enough to withstand shipment by various means (air, road, off-road).*

Will the instrument be transported in the original crates supplied or in customized containers supplied by the user?

A3. Likely the instrument will be packed and transported as part of the complete analytical system, so in some form of custom packaging/container.

Q4. Alternatively, is the intention to have the instrument in a mobile lab where it would set-up on shock absorbers and/or gimbals to keep it level?

A4. This may also be a scenario. The final instrument system will have to be multi-platform capable.

Q5. Will the field sites have power conditioners or UPS modules? Would you like an option for a UPS module with power conditioning included in the proposal?

A5. Yes, there will be power conditioning/UPS coverage but we will spec out our own once the complete analytical system is built and we know its total power consumption.

Q6. MT1 specifies a minimum of two FIDs and one MS. How many simultaneous data signals would be required?

A6. As many as three.

Q7. MT2 GC *must have an in-oven hardware for splitting capillary column flows to multiple outputs (other columns or detectors) e.g. Agilent Capillary Flow Technology Deans Switch <flexibility>*

Can the technical authority provide a diagram of the required flow path for spitting column flows?

A7. No. Since the system has not been built, the final chromatographic and back flushing arrangements have not been decided upon at this time.

Q8. MT3 GC *must incorporate hardware for back flushing and switching of capillary columns. (e.g. Agilent Capillary Flow Technology Deans Switch or equivalent) <flexibility>*

Can the technical authority provide a diagram of the required switching of column flows?

A8. See answer to Q5.

Q9. MT10 MS *quadrupole must be of the monolithic quartz type < field use robustness>*

If other material is adequately robust, will it be considered?

A9. If their robustness can be demonstrated as equivalent.

Q10. MT13. *MS must be able to sustain operation with up to 50 mL/min. continuous carrier gas flow or higher and carry out analysis with up to 4 mL/min. continuous carrier gas flow or higher.*

We've never heard of 50mL / min carrier gas going into an MS. Is the intention to have a high carrier flow with some types of columns, like packed columns, and split the output with a small ratio going to the MS and the bulk of the flow to vent or FID? We don't think running capillary columns at 50 mL / min is possible.

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Client Ref. No. - N° de réf. du client
K3D57-17-0520

Amd. No. - N° de la modif.
003
File No. - N° du dossier
KIN-6-46091

Buyer ID - Id de l'acheteur
kin620
CCC No./N° CCC - FMS No./N° VME

A10. The intent is to investigate operation of this system with one or more 0.53 mm megabore capillary columns. Therefore we require the maximum possible pumping capacity for analysis and standby operation from the MS hardware. The 50 mL/min value is for standby, not analysis.

ALL OTHER TERMS AND CONDITIONS OF THIS SOLICITATION REMAIN UNCHANGED.

If your tender has already been forwarded and you wish to revise same, this revision should be faxed and reach the bid receiving area before the closing date. The tender number and the closing date are to be shown on the first page of your fax.