



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

**Bid Receiving Public Works and Government
Services Canada/Réception des soumissions Travaux
publics et Services gouvernementaux Canada**
Room 100,
167 Lombard Ave.
Winnipeg
Manitoba
R3B 0T6
Bid Fax: (204) 983-0338

**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
Public Works and Government Services Canada -
Western Region
Room 100
167 Lombard Ave.
Winnipeg
Manitoba
R3B 0T6

Title - Sujet High Pressure Liquid Chromatography	
Solicitation No. - N° de l'invitation 31970-152331/A	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client 31970-152331	Date 2015-11-17
GETS Reference No. - N° de référence de SEAG PW-\$WPG-016-9623	
File No. - N° de dossier WPG-5-38154 (016)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-12-02	
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: Hall, Marlene	Buyer Id - Id de l'acheteur wpg016
Telephone No. - N° de téléphone (204) 230-0147 ()	FAX No. - N° de FAX (204) 983-7796
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

This **amendment # 004** is raised to modify **Solicitation # 31970-152331/A** and to provide Canada's response to Supplier questions as follows:

If your bid has already been forwarded and you wish to revise the same, this revision should be mailed in a sealed envelope and reach the Bid Receiving Unit identified on Page 1 before the closing date. The bid number and closing date are to be shown on the sealed envelope.

Questions and Answers

Q1) *Item I-M2-3.* Is a maximum injection volume of 1.0mL acceptable?
A1) Maximum injection of 1.0mL is acceptable.

Q2) *Item I-M2-6* Is a maximum of 96 x 2mL vials acceptable?
A2) 96x2mL vials is acceptable.

Q3) *Item I-M3-3* Is one column temperature zone acceptable?
A3) One column temperature zone is not acceptable.

Q4) *Item I-M6-3* Is a maximum ELS Detector flow rate of 3mL/min acceptable?
A4) Maximum flow for ELSD at 3 mL/min is not acceptable.

Q5) *Item IV-M1-c* Is a 2.6 GHz clock speed on a mutli-core CPU acceptable?
A5) Clock speed for CPU lower than 3.0 GHz is not acceptable.

Modification

1. Refer to page 14 of 18, **Annex A – Compliance Matrix**

Delete: Delete the Compliance Matrix in its entirety

Insert: Replace with the following Compliance Matrix:

<p><u>Completion and submission of Mandatory Performance Specification is required to be considered responsive and for your offer to be given further consideration.</u></p> <p>a. Bidders must cross reference where in their technical offer, the performance specification is located.</p> <p>b. Provide the specification being offered which meets or exceeds <u>and cross-reference as to where the supporting documentation is found within your proposal.</u> If there is insufficient space in the table, assign SIR # (Supplementary Information Reference) and provide the appropriate details on a separate page in your offer. Where published supporting documentation is not available in the form of brochures, technical data sheets etc., prepare a written narrative complete with a detailed explanation of how its offer demonstrates compliance.</p>

	<u>All work and materials herein specified must meet and maintain minimum Canadian and Provincial certification(s) and approval(s) as applicable by Industry Standards.</u>	
I	High pressure liquid chromatography (HPLC)	Bidder Response: indicate how they meet the specifications addressed below/ cross-reference where this technical specification is indicated in their bid documentation
M1	Quaternary pump: 1. number of channels must be four (4). 2. must have an operation pressure range of 0-600 bar (0-8700 psi) or wider range. 3. must have flow rate range from 0.2 mL/min to 5 mL/min or wider range and flow rate must be user settable.	
M2	Autosampler: 1. autosampler must offer a flow through design with variable injection volume. 2. draw and eject speed must be user settable. 3. module must have the option to broaden the injection volume range – with multi-draw kit up to 1.0 mL or more. 4. rotor seals must have different choices of rotor seals to support both normal phase and reverse phase application. 5. metering device is located in high pressure environment and must have the capability to be always flushed after injection. 6. must be able to accommodate at least 96 two (2) mL vials.	
M3	Thermostated column compartment: 1. must have temperature accuracy within $\pm 0.8^{\circ}\text{C}$. 2. must have temperature range from 10°C above ambient to at least 80°C . 3. module must have at least two independent temperature zones.	
M4	Degas unit: 1. stand-alone or integrated with pump. 2. must be able to accommodate at least 5 mL/min flow rate of mobile phase.	

M5	<p>Diode array detector (DAD):</p> <ol style="list-style-type: none"> 1. at least 6 signal channels. 2. maximum sampling rate up to 80 Hz. 3. linearity to 2.0 Au at 265nm. 4. wavelength range 190 to 640nm or wider range, accuracy of ± 1nm. 5. output range of 0.001 to 2 Au or wider range. 	
M6	<p>Evaporative light detector (ELSD):</p> <ol style="list-style-type: none"> 1. evaporator can be heated from ambient temperature to at least 100°C with 1°C increments. 2. nebulizer can be heated from ambient temperature to at least 80°C with 1°C increments. 3. must be able to accommodate eluent flow rate from 0.2 to 5 mL/min. 4. digital data output with 10, 40 or 80 Hz sampling rate. 	
M7	System must be modulized to enable future addition of detectors.	
M8	Power supply: AC 90-240 V, 50/60Hz.	
II	Software	
M1	<p>The software must have the ability to collect data, analyze data and report results.</p> <p>The operating software must be compatible with Windows XP, or 7, or 8 or 10 supplied with the computer.</p>	
III	Installation, training and warranty	
M1	Must provide installation including all labour and travel.	
M2	Must provide on-site training on the use and maintenance of the HPLC system, its accessories and the software system up to three (3) persons.	
M3	HPLC system must include a minimum of a one (1) year warranty including all parts, labor and software updates/upgrades.	

IV	Computer hardware	
M1	<p>HPLC must provide a computer system.</p> <p>Computer system must have the following minimum specifications and features:</p> <ul style="list-style-type: none">a) Windows based system (software support windows XP or 7 or windows 8 or 10).b) minimum 21" monitor. Must be LCD.c) minimum clock speed is 3.0 Ghz for the processor.d) at least 8 GB RAM.e) 1T hard drive or more.f) 16xDVD burner or better, six or more USB ports with at least two having USB 3.0g) network cardh) video card must have at least 512 MB onboard memory.i) color printer	

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME