RETURN BIDS TO:
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Bid Receiving Public Works and Government Services Canada/Réception des soumissions Travaux publics et Services gouvernementaux Canada
PO Box 1408, Room 100
167 Lombard Ave.
Winnipeg
Manitoba
R3C 2Z1
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
PO Box 1408, Room 100
167 Lombard Ave.
Winnipeg
Manitoba
R3C 2Z1

Title - Sujet Mass Spectrometer, Benchtop	
Solicitation No. - N° de l'invitation 5K003-139983/A	**Amendment No. - N° modif.** 001
Client Reference No. - N° de référence du client 5K003-139983	**Date** 2012-12-05
GETS Reference No. - N° de référence de SEAG PW-$WPG-070-8270	
File No. - N° de dossier WPG-2-35104 (070)	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2013-01-04**	**Time Zone** **Fuseau horaire** Central Standard Time CST
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Barenz, Leanne	**Buyer Id - Id de l'acheteur** wpg070
Telephone No. - N° de téléphone (204) 983-0506 ( )	**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**	

Canada

Cette modification est déclenchée pour modifier l'invitation #5 K 003-139983/A et à répondre aux questions suivantes :

date de clôture va passer de **7 décembre 2012 au 4 janvier 2013**.

QUESTIONS / réponses :

Question 1,
il existe une incohérence entre 1.14 dans « Annexe D » et la section correspondante dans le « appréciation score grille des Points » à la page 19. Dans « Annexe D », Section 1.14.1-1.14.3, je me dit pour montrer des injections de 1 pg sur colonne, 100 fg sur colonne et 10 fg sur colonne pour le glyphosate composé. Toutefois, ces chiffres sont incompatibles avec la grille de notation à la page 19. La grille de notation indique que les points seront attribués pour montrer 10 pg, pg 2 et 1 pg sur colonne pour le glyphosate est composé. Êtes-vous en mesure de préciser quelle section répertorie les valeurs correctes ?

Réponse 1
se reporter à la Page 16 des 20 et modifier comme suit :

Delete : Annexe D grille de notation dans son intégralité et insérer :

insérer :

ANNEX "D"
POINT RATED CRITERIA

Bids meeting all mandatory technical criteria identified in Annex C, Compliance Matrix, will be evaluated on the following point rated evaluation criteria.

1.13 Has the ability to perform sensitive quantitative analysis of mycotoxins of interest.

The Canadian Grain Commission will provide a test solution containing ochratoxin A (approximately 0.1 ppb) and $^{13}C_{20}$-ochratoxin A in 90:10 (v/v) 0.5% (m/v) acetic acid/acetonitrile. Final concentrations of analytes will be provided with the test solution.

Using ultra high performance liquid chromatography (ie. using a column with stationary phase particle size of < 2 μm) and ESI+, monitor the following transitions:

Table 1. Transitions for evaluation of technical specification 1.13

Transition	Analyte	Transition
A	OTA	m/z 404.1 → m/z 239.1
B	OTA	m/z 404.1 → m/z 358.1
C	$^{13}C_{20}$-OTA	m/z 424.2 → m/z 250.0

D	$^{13}C_{20}$-OTA	m/z 424.2 → m/z 377.2

Chromatography method details can be provided upon request.

Provide the following in an email to the Contracting Authority listed at **PART 6 - RESULTING CONTRACT CLAUSES section 5.1 CONTRACTING AUTHORITY**.

1.13.1 for a 500 fg on-column injection of OTA, provide a scanned copy or screen shot of the MS/MS output showing the following for each of the four transitions listed in Table 1

a. signal to noise ratio, where signal is defined as the height of the chromatographic peak and noise is defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak

b. peak height

c. root mean square noise, defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak

d. MS/MS output showing the chromatographic conditions, column specifications, mobile phase and mass spectrometric parameters used to generate the data

1.13.2 for a 100 fg on-column injection of OTA, provide a scanned copy or screen shot of the MS/MS output showing the following for each of the four transitions listed in Table 1

a. signal to noise ratio, where signal is defined as the height of the chromatographic peak and noise is defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak

b. peak height

c. root mean square noise, defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak

d. MS/MS output showing the chromatographic conditions, column specifications, mobile phase and mass spectrometric parameters used to generate the data

1.13.3 for a 50 fg on-column injection of OTA, provide a scanned copy or screen shot of the MS/MS output showing the following for each of the four transitions listed in Table 1

a. signal to noise ratio, where signal is defined as the height of the chromatographic peak and noise is defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak

b. peak height

c. root mean square noise, defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak

d. MS/MS output showing the chromatographic conditions, column specifications, mobile phase and mass spectrometric parameters used to generate the data

1.14 Has the ability to perform sensitive quantitative analysis of pesticides of interest.

The Canadian Grain Commission will provide a test solution containing the 9-fluorenylmethyl chloroformate derivative of glyphosate (approximately 3 ppb) and the 9-fluorenylmethyl chloroformate derivative of $^{13}C_2$-glyphosate in ultra-pure water. Final concentrations of analytes will be provided with the test solution.

Using ultra high performance liquid chromatography (ie. using a column with stationary phase particle size of < 2 µm) and ESI-, monitor the following transitions:

Table 2. Transitions for evaluation of technical specification 1.14

Transition AnalyteTransitionAGLY[a]m/z 390.0 → m/z 167.9BGLYm/z 390.0 → m/z 149.8C$^{13}C_2$-GLY[b]m/z 392.2 → m/z 169.9D$^{13}C_2$-GLYm/z 392.2 → m/z 151.9[a]9-fluorenylmethyl chloroformate derivative of glyphosate

[b]9-fluorenylmethyl chloroformate derivative of $^{13}C_2$-glyphosate

Chromatography method details can be provided upon request.

Provide the following in an email to the Contracting Authority listed at **PART 6 - RESULTING CONTRACT CLAUSES section 5.1 CONTRACTING AUTHORITY**.

1.14.1 for a 10 pg on-column injection of GLY, provide a scanned copy or screen shot of the MS/MS output showing the following for each of the four transitions listed in Table 2

- a. signal to noise ratio, where signal is defined as the height of the chromatographic peak and noise is defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
- b. peak height
- c. root mean square noise, defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
- d. MS/MS output showing the chromatographic conditions, column specifications, mobile phase and mass spectrometric parameters used to generate the data

1.14.2 for a 2 pg on-column injection of GLY, provide a scanned copy or screen shot of the MS/MS output showing the following for each of the four transitions listed in Table 2

- a. signal to noise ratio, where signal is defined as the height of the chromatographic peak and noise is defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
- b. peak height
- c. root mean square noise, defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak
- d. MS/MS output showing the chromatographic conditions, column specifications, mobile phase and mass spectrometric parameters used to generate the data

1.14.3 for a 1 pg on-column injection of GLY, provide a scanned copy or screen shot of the MS/MS output showing the following for each of the four transitions listed in Table 2

a. signal to noise ratio, where signal is defined as the height of the chromatographic peak and noise is defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak

b. peak height

c. root mean square noise, defined as the root mean square of a continuous section of transition chromatogram adjacent to analyte peak

d. MS/MS output showing the chromatographic conditions, column specifications, mobile phase and mass spectrometric parameters used to generate the data

1.15 Has the ability to perform sensitive analyses with good precision.

Within 15 business days of receiving the test solution from the Canadian Grain Commission, Provide the following in an email to the Contracting Authority listed at **PART 6 - RESULTING CONTRACT CLAUSES section 5.1 CONTRACTING AUTHORITY**.

1.15.1 On days 1, 3, 5, 8, and 12 perform three consecutive (ie. one right after the other) replicate injections of 100 fg OTA on-column, and provide a scanned copy or screen shot of the MS/MS output for all three replicate injections showing the following for each of the four transitions listed in Table 1

a. peak shape

b. peak height

c. peak area

d. MS/MS output showing the chromatographic conditions, column specifications, time of injection, mobile phase and mass spectrometric parameters used to generate the data

POINT RATED SCORING GRID:

Evaluation Criteria	**1 point each**	**5 points each**	**10 points each**
TECHNICAL SPECIFICATION 1.13 Has the ability to perform sensitive quantitative analysis of mycotoxins of interest.	signal to noise ratio = (greater than or equal to) 10 for 500 fg OTA[a] on-column for both transitions	signal to noise ratio = (greater than or equal to) 10 for 100 fg OTA on-column for both transitions	signal to noise ratio = (greater than or equal to) 10 for 50 fg OTA on-column for both transitions

TECHNICAL SPECIFICATION 1.14 Has the ability to perform sensitive quantitative analysis of pesticides of interest.	signal to noise ratio = (greater than or equal to) 10 for 10 pg GLY[b] on-column for both transitions	signal to noise ratio = (greater than or equal to) 10 for 2 pg GLY on-column for both transitions	signal to noise ratio = (greater than or equal to) 10 for 1 pg GLY on-column for both transitions
TECHNICAL SPECIFICATION 1.15 Has the ability to perform sensitive analyses with good precision.	a) intraday percent relative standard deviation of peak area for each of the 5 sets of triplicate injections = (less than or equal to) 15% (for all transitions listed in Table 1) b) interday percent relative standard deviation of peak area for all injections = (less than or equal to) 20% (for all transitions listed in Table 1)	a) intraday percent relative standard deviation of peak area for each of the 5 sets of triplicate injections = (less than or equal to) 10 % (for all transitions listed in Table 1) b) interday percent relative standard deviation of peak area for all injections = (less than or equal to) 10% (for all transitions listed in Table 1)	a) intraday percent relative standard deviation of peak area for each of the 5 sets of triplicate injections = (less than or equal to) 5% (for all transitions listed in Table 1) b) interday percent relative standard deviation of peak area for all injections = (less than or equal to) 5% (for all transitions listed in Table 1)

[a]ochratoxin A; [a]9-fluorenylmethyl chloroformate derivative of glyphosate

Bids not obtaining a minimum one (1) point in each of the three technical specifications of 1.13, 1.14, and 1.15 will be declared non-responsive.

For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating as follows:

1) The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 65% for the technical merit and 35% for the price.

2) To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 65%.

3) To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 35%.

4) For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.

5) Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 65/35 ratio of technical merit and price, respectively. The total available points equals 30 and the lowest evaluated price is $250,000.00.

Basis of Selection - Highest Combined Rating Technical Merit (65%) and Price (35%)

	Bidder 1	Bidder 2	Bidder 3
Overall Technical Score	25/30	15/30	20/30
Bid Evaluated Price	$300,000.00	$275,000.00	$250,000.00
Calculations Technical Merit Score	25/30 x 65 = 54.17	15/30 x 65 = 32.50	20/30 x 65 = 43.33
Price Score	250/300 x 35 = 29.17	250/275 x 35 = 31.82	250/250 x 35 = 35.00
Combined Rating	83.34	64.32	78.33
Overall Rating	1st	3rd	2nd

Question 2

Page 3, partie 1, section 2:... système de spectrométrie de masse se connecter à un chromatographe en phase liquide eaux Acquity ultra performance... Cette DP demande un spectromètre de masse ou si vous vous demandez une proposition visant à inclure les eaux Acquity UPLC ?

Réponse 2

la DP demande un tandem spectromètre de masse quadripolaire seulement. Mais le spectromètre de masse doit absolument être compatible avec une eaux Acquity UPLC.

Question 3

Page 13, annexe « A » livraison l'ou avant le 31 décembre 2012 ou le 31 mars 2013 ?

Réponse 3

l'annexe A indique que la livraison est « demandée l'ou avant le 31 décembre 2012 » ; Il s'agit d'une situation idéale. La dernière livraison absolue est avant le 31 mars 2013. Le vendeur doit spécifier leur meilleur délai de livraison.

***** Tous les autres termes et conditions restent les mêmes *****