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Bid Receiving Public Works and Government
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publics et Services gouvernementaux Canada
#910, 410-22nd Street East
Saskatoon
Sask.
S7K 5T6
Bid Fax: (306) 975-5397

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/Réception des soumissions Travaux publics et
Services gouvernementaux Canada
#910, 410 - 22nd Street East
Saskatoon
Sask.
S7K 5T6

Title - Sujet Dynamic Light Scattering Instrument	
Solicitation No. - N° de l'invitation 31029-124201/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client NRC	Date 2013-01-17
GETS Reference No. - N° de référence de SEAG PW-\$STN-197-4579	
File No. - N° de dossier STN-2-35097 (197)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-02-06	Time Zone Fuseau horaire Central Standard Time CST
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: Holt, Judy	Buyer Id - Id de l'acheteur stn197
Telephone No. - N° de téléphone (306) 975-4051 ()	FAX No. - N° de FAX (306) 975-5397
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 is issued to Solicitation 31029-124201/A to make the following change - delete Annex A in it's entirety and replace with the following:

Annex A Requirement

National Research Council of Canada, Saskatoon, SK has a requirement for the supply, delivery, installation and on-site training of one Dynamic Light Scattering (DLS) Instrument for the measurement of particle size and zeta potential as detailed herein.

Product offered must meet or exceed the following:

1. This unit must be able to take static and dynamic light scattering measurements.
2. This unit must be able to take absolute size exclusion chromatography (ASEC) and electrophoretic light scattering measurements for determination of size, distribution, molecular weight and zeta potential in the same instrument. Due to the high value of the samples we are measuring, we require high sensitivity measurements on small samples at a low concentration.
3. **Size particle measurement**
 - .1 *Size range* 0.3nm - 10 microns
 - .2 *Accept sample volume of* 45µL or less
 - .3 *Concentration range* 0.1mg/mL to 0.4mg/mL
4. **Zeta potential measurement**
 - .1 *Accept sample volume of* 150µL or less
 - .2 *Size range for zeta potential (diameter)* 3.8 nm to 100µm
5. **MWt measurement**
 - .1 *Molecular weight range* 1000 to 1,000,000 Da
 - .2 *Accept sample volume of* 45µL or less
6. **General specifications**
 - .1 *Temperature range* 4°C to 80°C
 - .2 *Condensation control* Purge facility using dry air
 - .3 *Laser* 4mW He-Ne, emission peak at 633nm
7. The instrument must have dual angle measurement to assess aggregation.
8. The machine and/or associated software must analyze data to quantify aggregation of the sample, to a recognizable standard acceptable for publication.

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9. The instrument must be able to use the same cuvette, sample concentration and volume for both size and zeta potential determination. This must be possible with a reusable cuvette. It shall also retain the option to utilize disposable zeta potential cells.
 10. One year parts and labour warranty.
 11. Technical support required, e.g. on-line, by phone, by email, within two business days, for one year.
 12. One software license and updates for one year to be included.
 13. Operator's manual to be included.

Make and Model of Dynamic Light Scattering Instrument Offered:
