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Bid Receiving Public Works and Government
Services Canada/Réception des soumissions/Travaux
publics et Services gouvernementaux Canada
See herein for bid submission
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Voir la présente pour les
instructions sur la présentation
d'une soumission

NA
Alberta

**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 / Travaux
publics et services gouvernementaux
Canada Place/Place du Canada
Suite 1000
10th Floor/10e étage
9700 Jasper Ave/9700 ave Jasper
Edmonton
Alberta
T5J 4C3

Title - Sujet Portable Near-Infra Red Spectrometr	
Solicitation No. - N° de l'invitation 01586-200071/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client 01586-200071	Date 2020-10-01
GETS Reference No. - N° de référence de SEAG PW-\$EDM-034-11900	
File No. - N° de dossier EDM-0-43076 (034)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2020-10-06	Time Zone Fuseau horaire Mountain Daylight Saving Time MDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Nigam, Nidhi	Buyer Id - Id de l'acheteur edm034
Telephone No. - N° de téléphone (587) 532-8142 ()	FAX No. - N° de FAX (780) 497-3510
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

PORTABLE NEAR-INFRA RED SPECTROMETRY (NIRS) DEVICE

Amendment 003 is raised to answer the questions received from the industry and revise annex A, Statement of Requirement.

Q1. In performance specification 1: Must generate a minimum of 950-1600nm wavelength spectrum necessary for our observations:

For the parameters stated in the objective (ADF, NDF, soluble carbohydrates and carbon content), most (if not all) of the information is found in the NIR region above 1600nm (from 1700-2400nm), so should it not be that the minimum wavelength range be from 950-2400nm instead in order to get the results required to meet the objective?

R1. Please refer to revised Annex A, Statement of Requirement.

Delete in its entirety: Annex A, Statement of Requirement

Insert:

ANNEX "A"

STATEMENT OF REQUIREMENT

1. Objective:

The Forage breeding lab at the Agriculture and Agri-Food Canada (AAFC), Lethbridge Research and Development Centre is seeking to purchase a portable near-infra red spectrometry (NIRS) device. The device will be used to scan the standing forage crops in the field for predicting the nutritive value of the crops such as crude protein (CP), carbon content (CC), acid detergent fiber (ADF), neutral detergent fiber (NDF), lipid, soluble carbohydrates and ash; without taking cuttings or harming the plants in any way. To date, AAFC has been using a desktop based NIRS machine which requires harvesting the sample, drying them, then grinding them and finally scanning them. The new machine is expected to reduce amount of work necessary for scanning the samples and ultimately save labor, time, and financial resources. More importantly it can be done on standing plants in the nursery which will allow us to intercross selected plants by eliminating undesirable plants from the nursery. We are looking for a device with following minimum, mandatory specifications.

The work consists of supply, delivery and on-site or web-based training of the device for the Forage breeding lab at the Agriculture and Agri-Food Canada (AAFC), Lethbridge Research and Development Centre.

All of the work must be completed on or before March 31, 2021.

2. MINIMUM MANDATORY PERFORMANCE SPECIFICATIONS

Refer to the Compliance Matrix for the complete performance specifications and instructions that must be satisfied in order for a bid to be deemed responsive.

3. Delivery and Training

Delivery and on-site or web-based training of the device to be made available at:

Agriculture and Agri-Food Canada
Lethbridge Research and Development Centre
5403 – 1 Avenue South
Lethbridge, AB
T1J 4B1

Contractor should liaise with the AAFC Procurement Authority to set up a date for the delivery, and training of the device.

COMPLIANCE MATRIX – MINIMUM MANDATORY PERFORMANCE SPECIFICATIONS

A complete list of the minimum mandatory performance specifications are detailed below in the “Compliance Matrix”. Bidders are to clearly demonstrate compliance with each mandatory specification.

1. Bidders **must** show compliance by addressing each performance specification in the Compliance Matrix, whether the product offered “meets” or “doesn’t meet”.
2. Bidders are requested to indicate how they meet each performance specification by recording this information under the Performance Specification Offered column in the Compliance Matrix.
3. It is requested that supporting technical documentation, including but not limited to, specification sheets, technical brochures, photographs or illustrations be provided with the bid at solicitation close and be cross-referenced on the Compliance Matrix for each performance specification to outline where in the supporting technical documentation it demonstrates compliance. It is the Bidders responsibility to ensure that the submitted supporting technical documentation provides detail to prove that the proposed product(s) meet the requirements of the Performance Specification. If published supporting technical document is not available, the Bidder should prepare a written narrative complete with a detailed explanation of how its bid demonstrates technical compliance.

4. If the supporting documentation referenced above has not been provided at bid closing, the Contracting Authority will notify the Bidder that they must provide supporting documentation within two (2) business days following notification. Failure to comply with the request of the Contracting Authority within that time period, will deem the bid non-responsive and the bid will be given no further consideration.
5. Bidders must address any concerns with the performance specifications in written detail to the Contracting Authority before bid closing as outlined in the Request for Proposal (RFP) document.
6. Failure to meet each mandatory performance specification will result in the bid being deemed non-responsive, and be given no further consideration.

COMPLIANCE MATRIX – MINIMUM MANDATORY PERFORMANCE SPECIFICATIONS

Requirement		Manufacturer Offered		Model number Offered	
tem #	Performance Specification	Status (M) Mandatory	Performance Specification Met? Indicate either Yes/No	Performance Specification Offered: Bidder should indicate how they meet the performance specification by recording this information in this column.	Cross Reference: In this column, Bidders should cross-reference where this performance specification is indicated in their supporting documents.
1.	Must generate a minimum of 950 to 2400 nm (inclusive) wavelength spectrum necessary for our observations.	M			

2.	Must be portable for scanning standing crops in the field i.e. weighing < 2 kg with or without battery.	M			
3.	Must have scanning surface area < 5 cm diameter/diagonal to ensure less influence from the presence of light.	M			
4.	Must scan samples < 3 cm in thickness.	M			

5.	Must scan samples directly from standing plants in the field and cause no harm to plants.	M			
6.	Must be protected to withstand and fully operate within wet and dusty conditions.	M			
7.	Must include all hardware and accessories to transfer data from the NIR device to local computer.	M			

8	Must include appropriate software to read the spectrum and conduct chemometric analysis within the device or upon transferring the data to external devices.	M			
9.	Must include carrying case.	M			
10.	Must be able to provide on-site or web-based training for a minimum of two AAFC employees.	M			

11.	Must include hardcopy/on-line user's manual in English.	M			
12.	Must be supplied with either a factory-installed rechargeable battery with single time charge life > 6 hours OR two (2) interchangeable, rechargeable batteries each with a single time charge life > 6 hours.	M			
13.	Must have Minimum 1- year manufacturer's warranty including parts and labor.	M			

14.	Must be Canadian Standards Association (CSA) or Underwriters' Laboratories of Canada approved – or equivalent.	M			
15.	Bidder must be capable to quote and supply any parts or accessories that need replacing inside and outside warranty.	M			

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME AND IN FULL EFFECT.