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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
instructions/

Voir la présente pour les
instructions sur la présentation
d'une soumission

NA
Ontario

**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

Address all inquiries to
Tammy.weaver@pwgsc-tpsgc.gc.ca

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
Kingston Procurement
Des Acquisitions Kingston
86 Clarence Street, 2nd floor
Kingston
Ontario
K7L 1X3

Title - Sujet UV Corn Processing Unit	
Solicitation No. - N° de l'invitation 01E91-210422/B	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client 01E91-21-0422	Date 2021-04-09
GETS Reference No. - N° de référence de SEAG PW-\$KIN-508-8364	
File No. - N° de dossier KIN-0-54127 (508)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Daylight Saving Time EDT on - le 2021-04-14 Heure Avancée de l'Est HAE	
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: Weaver, Tammy	Buyer Id - Id de l'acheteur kin508
Telephone No. - N° de téléphone (613) 484-1809 ()	FAX No. - N° de FAX (613) 545-8067
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: AAFC Guelph Research and Development Centre 95 Stone Rd W Guelph, ON N1H 8J7 Attn: T Koutchma	

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

The following questions have been submitted by a potential bidder:**1- Why use both Low and Medium Pressure Lamps?**

Answer: This unit will serve for research purposes. Our aim is to use the unit to treat corn samples in order to reduce fungal and mycotoxin loads. Both low and medium pressure lamps will be used separately in order to compare the efficacy of these two light sources. For this reason, the light sources need to be interchangeable.

2- How high do you need the Medium Pressure output to be (in nm)?

Answer: The range for the medium pressure lamps should be a polychromatic signal ranging between 200 - 600 nm.

3- Please clarify the need for Medium Pressure UVC lamps. Bidders runs the system with Low Pressure UVC lamps and get significant output. The bid indicates it must have both. Medium pressure UV lamps run at higher levels in every respect, they operate hotter (around 600-900°C), are far less efficient (8-10% at 254nm), cost more to run because of the power input they need, have less than half the lifespan (around 1000 – 4000 hrs) and they have long start-up and cool down times. Now although this seems to be heavily one sided in Low pressure's favour, there's a few other things to consider. Even though medium pressure UV lamps are only up to 10% efficient, due to them operating at around 10kW you achieve around 1000W of useful UVC output at 254nm.

Is this acceptable?

Answer: This unit will serve for research purposes. Our aim is to use the unit to treat corn samples in order to reduce fungal and mycotoxin loads. Both low and medium pressure lamps will be used separately in order to compare the efficacy of these two light sources. For this reason, the light sources need to be interchangeable. Please refer to the technical specifications for a detailed description of all medium pressure lamp parameters which are required. All required specifications as outlined in the solicitation must be met.