



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

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

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
Ontario Region
10th Floor, 4900 Yonge Street
Toronto
Ontario
M2N 6A6

Title - Sujet Environmental Chamber	
Solicitation No. - N° de l'invitation 23240-220480/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client 23240-22-0480	Date 2022-02-03
GETS Reference No. - N° de référence de SEAG PW-\$TOR-006-8166	
File No. - N° de dossier TOR-1-44115 (006)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Standard Time EST on - le 2022-02-09 Heure Normale de l'Est HNE	
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: Liao, Guo	Buyer Id - Id de l'acheteur tor006
Telephone No. - N° de téléphone (416) 697-9289 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Natural Resources Canada	

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

Solicitation Amendment No. 001 is being issued to address the following items:

A) Question and Answer

A) Question and Answer

Q1. Does your sample give off a live load (heat) while testing?

Answer 1: Assume no live load for the purpose of this specification.

Q2. What is your desired temperature range?

Answer 2: This information is already contained in the published specifications. See Annex A "Requirement", 3. TEMPERATURE- 3.1, 3.1.1, and 3.1.2

Q3. Humidity?

Answer 3: This information is already contained in the published specifications. See Annex A "Requirement", 4. HUMIDITY- 4.1, 4.2, 4.3, 4.4

Q4. Does your testing require rise/ramp times?

Answer 4: This information is already contained in the published specifications. See Annex A "Requirement", 9. CONTROL SYSTEM- 9.1

Q5. i) What is the maximum weight to be tested inside the chamber?

ii) What is the size and quantity of the device under test?

Answer 5:

i) This information is already contained in the published specifications. See Annex A "Requirement", 2. CABINET CONSTRUCTION- 2.9, clarification....each of the 4 shelves specified in 2.9 should be capable of holding a static weight of 120 pounds (54.4 kilograms) evenly distributed across the shelf.

ii) There is no single answer. Samples will vary, including some as yet undefined. Generally, the samples will be varying quantities of petri dishes, or other small plastic/glass containers evenly distributed or on trays across each shelf.

Q6. What is the ideal interior size of the chamber in inches?

Answer 6: There is no ideal interior size in inches specified. The minimum interior growing volume must be at least 29 cubic feet. See Annex A "Requirement", 1.CABINET SIZE- 1.1

Q7. Are you trying to reach a certain standard? Which one?

Answer 7: No specific standard is being referenced.

Q8. When do you need the chamber in-house?

Answer 8: This information is already contained in the published specifications. See Annex A "Requirement", 3. DELIVERY- 3.2 (All the deliverables must be received on or before March 31, 2022)

Q9. In order to get you an accurate quote, could you please leave the exact shipping address that the chamber will be shipped to?

Answer 9: This information is already contained in the published specifications. See Annex A "Requirement", 3. DELIVERY- 3.1

Q10. Please list the desired work space dimensions needed.

Answer 10: There is no ideal interior size in inches specified. This is to allow for differences between manufacturers. The minimum interior growing volume must be at least 29 cubic feet. The minimum growing height between each equally- spaced shelf and the lights above: is 8.5inches. See also Annex A "Requirement", 1.CABINET SIZE- 1.1, 1.2, 1.3, 1.3.1, 1.3.2,1.3.3 for additional details.

Q11. Please list the desired voltage.

Answer 11: This information is already contained in the published specifications. See Annex A "Requirement", 15. ELECTRICAL SPECIFICATIONS-

Q12. Does the equipment need to be "CE" listed?

Answer 12: "CE" listing is not being requested. Please note the related information as per Annex A "Requirement", 15. ELECTRICAL SPECIFICATIONS-

- 15.1: Must be Canadian Standards Association (CSA), Underwriters Laboratories Canada (ULC) or Electrical Safety Authority Field Evaluation (ESAFE) approved prior to delivery;

and

- 15.5: All components (e.g., light bulbs) must be CSA (or UL, ULC equivalent) approved.

Q13. Do you prefer a single set point or programmable controller?

Answer 13: This information is already contained in the published specifications. See Annex A "Requirement", 9. CONTROL SYSTEM- 9.1 to 9.5

Q14. Do you require specific uniformity? If yes, please state the desired uniformity at the desired temperature.

Answer 14: YES....this information is already contained in the published specifications. See Annex A "Requirement", 3. TEMPERATURE- 3.1.1 and 3.1.2

Q15. Do you prefer an air-cooled or water-cooled refrigeration skid?

Answer 15: BOTH....this information is already contained in the published specifications. See Annex A "Requirement", 3. REFRIGERATION- 5.1, 5.1.1 and 5.1.2

Q16. Do you have a preferred transition rate for cooling and heating? If yes, please list the desired rate, and between what temperature set points.

Answer 16: There is not one preferred transition rate. The control system must be fully programmable with both ramping and non-ramping capabilities. See Annex A "Requirement", 9. CONTROL SYSTEM- 9.1 through 9.5

Q17. Do you require humidity? If yes please list the RH % and at what temperature.

Answer 17: This information is already contained in the published specifications. See Annex A "Requirement", 4. HUMIDITY- 4.1, 4.2, 4.3, 4.4

Q18. Will any of the products going into the chamber be powered on? If yes, what will the live load be?

Answer 18: Various small instruments may be utilized inside the chambers, so as per Annex A "Requirement", 15. ELECTRICAL SPECIFICATIONS- 15.4, two 120 volt convenience receptacles are required inside the chambers. Each receptacle must be capable of providing 1 amp for a live load of 120 volts x 1 amp = 120 watts

Solicitation No. - N° de l'invitation
23240-220480/A
Client Ref. No. - N° de réf. du client
23240-220480

Amd. No. - N° de la modif.
001
File No. - N° du dossier
TOR-1-44115

Buyer ID - Id de l'acheteur
TOR006
CCC No./N° CCC - FMS No./N° VME

- Q19. i) Are the materials that you are processing hazardous, volatile, or flammable?
ii) If yes, please list the name of the material(s).
iii) Please list the worst-case amount (usually in oz.) that will be in the oven at one time.
iv) Please list the temperature of the process.

Answer 19:

i) Hazardous, volatile, or flammable materials are not being processed in these chambers, however they will be used for insect rearing and as such a phenolic coating is required on the interior refrigeration coils as per Annex A "Requirement", 5. REFRIGERATION- 5.4

ii) n/a

iii) n/a

iv) n/a

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME