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**Bid Receiving Public Works and Government
Services Canada/Réception des soumissions Travaux
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Room 100,
167 Lombard Ave.
Winnipeg
Manitoba
R3B 0T6
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
Room 100,
167 Lombard Ave.
Winnipeg
Manitoba
R3B 0T6

Title - Sujet Mechanical Upgrade PNWRC	
Solicitation No. - N° de l'invitation K4A22-180296/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client EC K4A22-180296	Date 2017-09-07
GETS Reference No. - N° de référence de SEAG PW-\$PWZ-117-10301	
File No. - N° de dossier PWZ-7-40062 (117)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-09-13	
Time Zone Fuseau horaire Central Daylight Saving Time CDT	
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: Holt, Judy	Buyer Id - Id de l'acheteur pwz117
Telephone No. - N° de téléphone (306) 241-6148 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Environnement Canada Prairie and Northern Wildlife Research Centre 115 Perimeter Road Saskatoon, SK	

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 No. - N° de l'invitation
K4A22-180296/A/A

Amd. No. - N° de la modif.
003

Buyer ID - Id de l'acheteur
pwz117

Client Ref. No. - N° de réf. du client
K4A22-180296/A

File No. - N° du dossier
PWZ-7-40062

CCC No./N° CCC - FMS No./N° VME

AVIS AUX SOUMISSIONNAIRES

Amendement 003 pour sollicitation numéro K4A22-180296/A est publiée pour les éléments suivants:

- 1) Voir la modification No2 attaché à « PNWRC Mechanical Upgrades K4A22-180296_Addendum 2».**

Si votre soumission nous a déjà été transmise et que vous souhaitez la réviser, vos révisions doivent être reçues par l'Unité de réception des soumissions avant la date de clôture. Le numéro de soumission ainsi que la date de clôture doivent être clairement indiqués.

FIN D'AMENDMENT 003

GENERAL

The following changes in the Tender Documents are effective IMMEDIATELY. This addendum will form part of the Contract Documents

DRAWINGS

None

SPECIFICATIONS

None

CLARIFICATIONS

None

QUESTIONS

Question 1 (Received 2017-09-01)

Q: Are we cleaning only the new ductwork being installed or the complete system?

A: Complete duct cleaning of the existing and new systems is required. See Section 23 01 31 Air Duct Cleaning for HVAC Systems, 1.4.1 Definitions, HVAC System: Complete Air duct system from outside air intake louvres to furthest air supply terminal unit and including and drawing M02, Ventilation Notes #14 indicates to review section 23 01 31 of the Specifications (NMS)

Question 2 (Received 2017-09-01)

Q: Are there existing as-built drawings available?

A: Yes, as-built drawings are available. There were changes in the North Wing ducting to move it into the ceiling space. Consultant believes there may not be enough information to accurately estimate the system extent from the As-built drawings.

Question 3 (Received 2017-09-01)

Q: Due to the timing of the project is there secondary heat required?

A: The existing Laars Pennant boilers (x2 – 750 MBH) should be sufficient for building heat for the shoulder season and the mild winter temperatures. Backup heat may be advisable should more extreme low temperature days occur during the project timeline. Contractor to ensure adequate secondary heat is provided to ensure building heat is maintained during colder seasonal temperatures. See drawing PID01 & PID03 for further clarification. Also, a temporary air handling unit (AHU) will be required for the North Wing while the new system is being built. Tender drawings describe that the contractor must provide a temporary AHU for approximately 3 weeks while the new AHU is being built, see drawing M02 Ventilation Note #4.

Question 4 (Received 2017-09-05)

Q: Are there any as built drawings available for the crawl space to see where the heating lines have to be run?

A: The existing as-built drawings are from the addition carried out in 1972 which does not reflect the extent of all existing piping and renovation work.

Question 5 (Received 2017-09-05)

Q: What is the extent of the actual scope of the duct cleaning? Is it all ventilation ducting, exhaust, return, supply etc?

A: Refer to question 1 above.

Question 6 (Received 2017-09-05)

Q: Do you want us to carry the lab analysis for the ductwork which includes pre and post duct cleaning?

A: Yes, pre and post duct cleaning is required per Specification 23 01 31 Air Duct Cleaning for HVAC Systems.

Question 7 (Received 2017-09-05)

Q: Are there blueprints for the crawlspace that was inspected during the walk through?

A: There are blueprints from the previous building addition in 1972 but these may not reflect the current equipment within the crawlspace.

Question 8 (Received 2017-09-05)

Q: Given the time of year, are there any secondary heat requirements for this project as we will have sections of the HVAC off for 6 – 9 hours at a time?

A: Refer to question 3 above.

Question 9 (Received 2017-09-05)

Q: Will there be after hours security provided as we do not typically have someone standing at the doors where our hoses will be entering the building after hours?

A: Environment and Climate Change Canada (ECCC) will provide 40hrs of Commissionaire security services to the contractor for after-hours work. After this 40hrs has been charged to ECCC, the contractor will be responsible for additional security charges for after-hours work. ECCC maintenance personnel will be available for shutdowns (ventilation, electrical, etc.) with 72 hours written notice required.

Question 10 (Received 2017-09-05)

Q: They list applying the antimicrobial agent to the ductwork, what type do they want, why is it being applied and my robot can only administer it in duct sizes 10" x 10" or larger? How would the branch lines be sprayed if fogging is not an option?

A: Refer to section 23 01 31 Air Duct Cleaning for HVAC Systems, Part 2.2 and 3.8 for agent and application. Manual application is permitted.

Question 11 (Received 2017-09-05)

Q: Section 23 01 31 Air Duct Cleaning for HVAC Systems, Part 3.4.2 Laboratory Analysis lists a Super Electron Microscope (SEM) for performing analysis, can a Transmission Electron Microscope (TEM) be used in place of a SEM?

A: No. A TEM does not appear to provide the best sample size for determining concentrations of contaminant and type.

Question 12 (Received 2017-09-05)

Q: The robot used for the cleaning and inspection can only fit in main branch lines down to 8" x 10". Can we do manual cleaning and inspection of duct sizes which are smaller and will there be video requirements for these sections or can we use before and after photo's of various points of the HVAC systems that are to be cleaned?

A: Refer to section 23 01 31 Air Duct Cleaning for HVAC Systems, cleaning and inspection for sections inappropriate for robotic cleaning must be reviewed with departmental representative. Video requirements will be as designated by departmental representative.

Question 13 (Received 2017-09-05)

Q: What is the building's total square footage combining all floors and rooms?

A: The total approximate square footage of the building is 20,450 ft² (1,900 m²).

END OF ADDENDUM 2