Public Works and Government Services Canada | Travaux publics et Services gouvernementaux Canada

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:

Bid Receiving - PWGSC / Réception des soumissions - TPSGC
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

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
Fuel & Construction Products Division
11 Laurier St./11, rue Laurier
7A2, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

Title - Sujet IN-LINE WATER HEATERS	
Solicitation No. - N° de l'invitation 23375-161357/A	**Amendment No. - N° modif.** 001
Client Reference No. - N° de référence du client 23375-161357	**Date** 2016-05-12
GETS Reference No. - N° de référence de SEAG PW-$$HL-603-70824	
File No. - N° de dossier hl603.23375-161357	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2016-06-01**	**Time Zone** **Fuseau horaire** Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Kamanayo, Gatsimbanyi	**Buyer Id - Id de l'acheteur** hl603
Telephone No. - N° de téléphone (873) 469-3343 ( )	**FAX No. - N° de FAX** ( ) -
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**	

Canada

This amendment is raised to answer questions during the solicitation period as follows:

Questions dated May 5, 2016

1. ASME U stamp also required or CRN adequate?
2. Confirm CRN needed on the circulation vessel as well as heater flange? Or just vessel?
3. Class 1 Div 2 is listed in spec. However, spec also indicates “explosion proof” enclosure. Class 1 Div 2 does not require explosion proof enclosure if a) no arcing devices (which this does not have) and b) if temps can be held at or below T Code. I assume T code here is T2? Or T3? Please advise T code and confirm if ex-proof is really required. Large price difference.
4. Does the process outlet thermocouple need an ex-proof head? Or only NEMA 4 as per 5. above? Please advise / confirm.
5. Is there any heater length or other physical limit we should be aware of?

Answers from questions dated May 5, 2016

1. CRN’s are adequate
2. CRN required on all pressure parts (vessel, flanges and other fittings)
3. Class 1 – Div. 2 is sufficient, T3 will be used (max surface temp. 200 °C)
4. Thermocouples should be intrinsically safe if connected to a suitable barrier under ANSI/ISA-RP 12.6-1987, Nema 4 heads are suitable as there is insufficient voltage to generate a spark.
5. Heater Dimensions (approximate)
   H-2601 (5 foot x 6 inch O.D)
   H-2602 (4 foot x 6 inch O.D)
   H-2603 (4 foot x 6 inch O.D)
   H-4301 (3 foot x 6 inch O.D)

Questions dated May 10, 2016:

- Are you trying to heat on a single pass through or a recirculating loop?
- If recirculation loop what is the total gallons being heated?
- How fast do you need it to reach the target temp?
- Do you need the Vessel to be insulated?
- Do you need controls (i.e. Thermostat)?
- What are the dimensions of the tank?
- Indoor or outdoor?
- What is the worst case outdoor temperature?
- Is the tank insulated?

Answers from questions dated 2016:

- Heaters H-2601, H-2602 & H-2603 are single pass, heater H-4301 is a recirculating loop (as stated in Annex A)
- H-4301 has a total loop volume of 50 L (as stated in Annex A)
- Heat up time for H-4301 is 8 hours from 20 °C to 150 °C with a maximum recirculation rate of 960 kg/h(as stated in Annex A)
- Yes, vessels should be insulated externally unless outer skin temperature does not exceed 50 °C
- No, controls will be provided by CanmetENERGY (as stated in Annex A)
- No tank, heating elements are enclosed in a pressure vessel, approximate physical constraints provided in last amendment:
    - H-2601 (5 foot x 6 inch O.D)
    - H-2602 (4 foot x 6 inch O.D)
    - H-2603 (4 foot x 6 inch O.D)
    - H-4301 (3 foot x 6 inch O.D)
- Heaters will be installed indoors (as stated in Annex A)
- Not applicable, indoors at approximately 20 °C ambient temperature (as stated in Annex A)
- No tank, heaters are enclosed in pressure vessels and either feed directly into the process (H-2601, H-2602 & H-2603) or are recirculating through insulated tubing (H-4301) with a total circulation volume of 50 L (as stated in Annex A).

All other terms and conditions remain unchanged.