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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
L'Esplanade Laurier,
140 O'Connor Street,
East Tower, 4th floor,
Ottawa
Ontario
K1A 0S5

Title - Sujet Shell & Tube Heat exchanger	
Solicitation No. - N° de l'invitation 23375-200280/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client 23375-200280	Date 2019-11-22
GETS Reference No. - N° de référence de SEAG PW-\$\$HL-670-77969	
File No. - N° de dossier hl670.23375-200280	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-12-17	Time Zone Fuseau horaire Eastern Standard Time EST
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: Weatherbee, Lynn	Buyer Id - Id de l'acheteur hl670
Telephone No. - N° de téléphone (873) 353-1813 ()	FAX No. - N° de FAX (613) 943-7620
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

The following questions and answers (provided by the Technical Authority at Natural Resources Canada) is hereby incorporated into the solicitation.

Amendment number 002 to Request for Proposal (RFP) 23375-200280/A which closes December 17, 2019 at 2:00 p.m. is raised to:

1. Respond to questions received from bidders.

Q2 – Appendix A, items A3.5 and A3.8 are calling for TEMA type BES with single pass the tube side. However, we haven't had the best of experiences with designing 1-pass TS floating head heat exchangers. Do you have strong reason to have one pass tube? Are you flexible to accept BES two-pass type?

A2 – A two-pass tube configuration is not acceptable. There is particulate in the tube-side fluid and it is undesirable to have the potential for particulate build up between tube passes. See response to question #3 regarding issues with single tube pass BES configuration.

Q3 – Appendix A, items A3.5 is calling for TEMA type BES. Are you flexible to accept BEM type with flexible joint on the shell side.

A3 – A type BEM with a flexible joint on the shell side is acceptable. This is a suitable alternative to type BES.

Q4 – We are currently working on this and we would like to know if under Annex A – 2.4) Form U-A1 Manufacturers Data Report for Pressure Vessels is Mandatory?

A4 – A Manufacturer's Data Report must be delivered with the heat exchanger. This is required to complete TSSA registration per Annex A, Section 3 General Technical and mandatory requirements B3.10 and B3.11. TSSA's Manufacturer's Data Report for Pressure Vessels (PV 09118) would be an acceptable alternative to ASME forms U-1 or U-1A.

2. At Annex "A" Requirements, Section 2, 2.4:

DELETE:

2.4) Pressure vessel drawings, calculations and registration must be provided upon delivery of the heat exchanger, including:

- Pressure vessel code calculations per American Society of Mechanical Engineers (ASME)
- Form U-A1 Manufacturers Data Report for Pressure Vessels
- Fabrication drawings
- Canadian Registration Number (CRN) from the Technical Standards and Safety Authority (TSSA).

And INSERT:

2.4) Pressure vessel drawings, calculations and registration must be provided upon delivery of the heat exchanger, including:

- Pressure vessel code calculations per American Society of Mechanical Engineers (ASME)
- Form U-A1 Manufacturers Data Report for Pressure Vessels or another Manufacturer's Data report as approved by TA.
- Fabrication drawings
- Canadian Registration Number (CRN) from the Technical Standards and Safety Authority (TSSA).

3. At Annex "A" Requirements, Section 3A, A3.5:

DELETE:

A3.5) The heat exchanger(s) must be TEMA type BES.

And INSERT:

A3.5) The heat exchanger(s) must be TEMA type BES or BEM with a flexible joint on the shell side.

4. At Annex "B" Mandatory Technical Compliance Matrix for Evaluation Purposes :

DELETE:

The heat exchanger(s) must be TEMA type BES.

And INSERT:

The heat exchanger(s) must be TEMA type BES or BEM with a flexible joint on the shell side.

All other terms and conditions of the Request for Proposal remain unchanged.