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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 HEAT EXCHANGERS	
Solicitation No. - N° de l'invitation 23375-160262/B	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client 23375-160262	Date 2015-10-21
GETS Reference No. - N° de référence de SEAG PW-\$\$HL-657-68124	
File No. - N° de dossier hl657.23375-160262	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-11-02	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: Turner, Louie	Buyer Id - Id de l'acheteur hl657
Telephone No. - N° de téléphone (819) 956-3975 ()	FAX No. - N° de FAX (819) 956-5227
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

Amendment # 2 is issued to answer a potential bidders question.

For HX-4401 - Answer #2, Amendment #1. The answer states that the heat exchanger may be run counter current to avoid temperature cross.

Question #1:

Temperature cross is determined by the process designer. A heat exchanger is designed based on its process requirement therefore if the desired outlet temperature is crossing, avoiding the cross would be counterproductive. If temperature cross is to be avoided, what outlet temperature on the shell side is desired? When temperatures are crossing in a shell and tube heat exchanger, every one degree makes an exponential difference in size of the heat exchanger and therefore price, so exact temperatures in this case are paramount as there could be a 100K difference in price just based on one degree.

Answer #1:

The outlet temperature on the shell side cannot exceed 75 °C. The original numbers were done with a very basic heat exchanger calculation method and will need to be verified/modified by the contractor. As stated in the original request for proposal, a full heat exchanger design will need to be supplied by the contractor for the technical authority's approval. If the design does not agree with the initial numbers provided in Annex B, this does not imply that the design will be rejected, it simply means that the technical authority requires the data provided by the contractor in order to verify the design.

Question #2:

The parameters given for heat exchanger HX-4401 are not suitable for a shell and tube heat exchanger. The temperatures are low, pressures are low and the fluid is just water. A plate type heat exchanger would be a much more suitable as the cost would be one tenth fraction of the cost of a shell and tube. What is the reasoning behind acquiring a heat exchanger for a six figure price tag, which only needs to transfers 230kW of heat? This can be done by a brazed plate or plate and frame for less than 10K. However, at least the temperatures are required to design either configuration.

Answer #2:

As stated in item & of Annex A, "configuration deviations may be accepted upon review by the technical authority, drawings must be submitted with the bid package if deviations are to be considered". Again, a deviation does not imply that it will be rejected; it simply means that the technical authority will need to see the proposed configuration prior to approval. If the design is cheaper to manufacture and still meets the process conditions it will very likely be accepted.

All other terms and conditions remain the same.