

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 HEAT EXCHANGERS	
Solicitation No. - N° de l'invitation 23375-160262/B	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client 23375-160262	Date 2015-10-16
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	
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 #1 is issued to answer a potential bidders questions.

Question #1:

HX-440

The temperatures and heat load do not correspond to the flows provided, which means that the data is not in thermal balance. What is the correct data?

Answer #1:

The requirement states that the contractor must perform a full heat exchanger design calculation for each unit in order to verify the dimensions, flow rates and temperatures for ALL four heat exchangers. Deviations from CanmetENERGY's calculations will be reviewed at the time of the bid submissions and considered for suitability. The tube side data must be fixed, adjustments may be made to shell side exit temperature or flow rate if needed to ensure thermal balance.

Question #2:

HX-440

The temperatures are heavily crossing, meaning the hot side outlet temperature is lower than the cold side outlet temperature. This is not achievable by a shell and tube of BEM design (Shell and Straight tube as per sketch provided) configuration and much less with the surface area provided. Such crossing temperatures are only possible with a plate type, unless the data changes as per question 1.

Answer #2:

The heat exchangers may be run counter-current to avoid temperature crossing, otherwise refer to answer number 1.

Question #3:

HX-440

The environment is stated to be up to a low end temperature of -30C. There are also heat losses at this differential temperature. Does the unit need to be rated for -30C or will it be insulated? If it is not insulated, are heat losses accounted for? If is not insulated and needs to be rated for -30 deg.C, the construction will have be all Stainless, so the specified carbon steel shell will not be possible as it will become too brittle at these temperatures.

Answer #3:

The outdoor ambient temperature is not relevant as the heat exchangers will be installed indoors. For all practical purposes assume 0° C is the minimum temperature (as stated in items 1 and 3 of Annex A). Heat loss is considered to be negligible, if the contractor discovers that heat loss is a significant factor through their heat exchanger design calculations, a recommendation will made by the contractor for a thickness and type of insulation to be used, which CanmetENERGY will supply after delivery.

Question #4:

HX-3101, 3201 & 4301:

Does it have to be Shell and Helical Coil design or can a Shell and U-tube design be offered? The conditions seem very adequate for a shell and u-tube Tema type BEU configuration?

Answer #4:

Helical coil exchangers are preferred, contractors may suggest other orientations which will be reviewed at the time of bid submissions. The Technical Authority may reject any orientation that he deems unsuitable for installation on a basis of size, pipe routing, and/or heat exchanger configuration. Alternate types of heat exchangers will need to be similar in size and vertically oriented in order to be considered as valid substitutions.

All other terms and conditions remain the same.