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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**

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11 Laurier St./ 11 rue, Laurier

6B1, Place du Portage

Gatineau, Québec K1A 0S5

Title - Sujet Autoclave reactor for metallurgical	
Solicitation No. - N° de l'invitation 31184-161652/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client 31184-161652	Date 2017-01-13
GETS Reference No. - N° de référence de SEAG PW-\$\$PV-925-72168	
File No. - N° de dossier pv925.31184-161652	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-02-10	Time Zone Fuseau horaire Eastern Standard Time EST
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: Mercier, Nicolas	Buyer Id - Id de l'acheteur pv925
Telephone No. - N° de téléphone (819) 420-2957 ()	FAX No. - N° de FAX (819) 956-3814
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 001

This amendment 001 is raised to modify the Mandatory Technical Criteria follows:

1. At page 16 of the Request for Proposal,

Delete

Annex A Part 2 in its entirety

Insert:

Part 2 - MANDATORY TECHNICAL EVALUATION CRITERIA

The following requirements are the mandatory technical evaluation criteria which will be evaluated during the Bid Evaluation. In addition the Contractor will be required to meet all of the mandatory technical requirements for the duration of the Contract

Bidders are requested to cross reference the mandatory technical criteria in a concise format by using page, paragraph(s) & sub-paragraphs as applicable to their supporting technical documentation.

MTCH#	MANDATORY TECHNICAL EVALUATION CRITERIA	<u>Page ref#</u>
1	Volume of the vessel of the reactor must be 1.8L to 2L	
2	Reactor must have a controller and necessary communication modules : modules to read and to digitally display the values of torque, temperature, motor speed, internal pressure	
3	Reactor's controller must have a Data Logging Software	
4	Reactor rated pressure (MAWP) must be 3000psi	
5	The gage pressure indicator must be rated from 0 to 3000psi	
6	The reactor must have a High-Pressure cut-off safety feature/module	
7	Reactor must have a pressure release valve for pressure control	
8	Reactor must be rated for up to 350°C of operating pressure	
9	Reactor must include a thermowell with an appropriate thermocouple as temperature probe	
10	Reactor must be heated using a mantle heater	
11	Operating voltage of the system must be of 115-120 Volts or 240 Volts (with the preference of 240Volts)	
12	Material of the construction of the vessel and wetted parts (thermowell/temperature probe, cooling coil, stirring shaft, impeller, header, dip tube, drive, bottom drain with its drive, etc.) must be Hastelloy C276	
13	The reactor must have a PTFE flat gasket and split ring closure	
14	External parts (valves and fittings) must be made of Stainless Steel Type 316	
15	Reactor must be equipped with a drive/stirrer coupling torque of 16 in-lbs	
16	The motor of the reactor must be explosion proof	
17	The motor of the reactor must be 1/ 4 hp with 0-1700RPM or higher variable speed and with a digital display and control on	

Solicitation No. - N° de l'invitation
31184-161652/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
pv925

Client Ref. No. - N° de réf. du client
31184-161652

File No. - N° du dossier
pv925.31184-161652

CCC No./N° CCC - FMS No./N° VME

	controller	
18	The reactor must have a motor drive graded for liquid viscosity of up to 50 000 centipoises (to stir 30% solids slurry with stirrer shaft/impeller)	
19	Reactor must have interchangeable impeller	
20	Reactor must have a fixed head type of assembly with ports for probes	
21	Reactor must have a gas inlet valve - via dip tube	
22	Reactor must have a bottom drain valve on the vessel and must be made of Hastelloy C276	
23	Reactor must have internal cooling coil – for temperature control inside the vessel and for shutting down/cooling down purposes	
24	Reactor must have a liquid sampling port with cooling sleeve	
25	Reactor must have a gas entrainment stirrer	
26	The outer dimension of the reactor's assemble must not exceed 2m x 2m x 2 m (L x W x H)	
27	The reactor must be compliant with CSA electrical certification	
28	Reactor must have ASME certification for up to 3000 psi	

All other terms and conditions remain the same