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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
Scientific, Medical and Photographic Division / Division de l'équipement scientifique, des produits photographiques et pharmaceutiques
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Title - Sujet Superspeed Centrifuge System	
Solicitation No. - N° de l'invitation 23240-180153/A	**Amendment No. - N° modif.** 003
Client Reference No. - N° de référence du client 23240-180153	**Date** 2018-01-12
GETS Reference No. - N° de référence de SEAG PW-$$PV-957-73852	
File No. - N° de dossier pv957.23240-180153	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-01-19	**Time Zone** **Fuseau horaire** Eastern Standard Time EST
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Granger, Dominique	**Buyer Id - Id de l'acheteur** pv957
Telephone No. - N° de téléphone (819) 420-5227 ( )	**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:

1. make a change to the technical requirements;
2. to make a change to the general conditions; and
3. to answer questions from suppliers.

1. Under Annex A – Requirement, article 3

DELETE:
A rotor calculator and speed handle.

INSERT:
A rotor calculator and rotor handle.

2. Under Part 6 –Resulting contract clauses, article 6.3.1:

DELETE:

Subsection 9.1 of 2010A (2016-04-04) General Conditions - Goods or Services, is amended as follows:

Delete in its entirety and replace with the following:

"Despite inspection and acceptance of the Work by or on behalf of Canada and without restricting any provisions of the Contract or any condition, warranty or provision imposed by law, the Contractor, if requested by Canada to do so, must replace, repair or correct, at its own option and expense any work that becomes defective or fails to conform to the requirements of the Contract, where applicable. The warranty period will be **1-year parts and labour with 3-years on the drive, 5-years on refrigeration and comprehensive 5-years** after delivery and acceptance of the Work or the length of the Contractor's or manufacturer's standard warranty period, whichever is longer."

INSERT:

Subsection 9.1 of 2010A (2016-04-04) General Conditions - Goods or Services, is amended as follows:

Delete in its entirety and replace with the following:

"Despite inspection and acceptance of the Work by or on behalf of Canada and without restricting any provisions of the Contract or any condition, warranty or provision imposed by law, the Contractor, if requested by Canada to do so, must replace, repair or correct, at its own option and expense any work that becomes defective or fails to conform to the requirements of the Contract, where applicable. The warranty period will be **1-year parts and labour with 3-years on the drive, a minimum of 2 years on refrigeration and comprehensive 5-years** after delivery and acceptance of the Work or the length of the Contractor's or manufacturer's standard warranty period, whichever is longer."

3. Questions and answers:

Q.2
Annex “C”, item 5: “The centrifuge drive system must be high torque brushless system”. How is “High torque brushless system” defined? Would it be possible to replace this with a direct drive brushless system, a term with a much more clear definition and that usually can generate high torque as it doesn’t use belts or brushes?

A.2
Torque is the twisting force that will cause the rotor to spin. High torque means the motor will overcome the inertia of the rotor more easily and will get the rotor to speed more quickly. If the direct drive brushless system achieves that, then it is compliant.

Q.3
Annex “C”, item 8: What is a rotor calculator? Ability to track a number of cycles on the rotor? For example, we offer a rotor calculator for simplifying protocol modifications and transfers and we make it available on our website making it possible to use it not only standing in front of the unit, but also remotely. Would it be possible to remove this criterion from evaluation?

A.3
As per Annex A- Requirement, the rotor calculator is a mandatory requirement. The rotor calculator allows the user to transfer protocols from any high speed rotors (differing volumes). It is a useful tool in cases where different volumes are used.

Q.4
Annex “A” item 3: What is a speed handle? Is it a specific way of holding rotors utilizing hand muscles? We offer a more ergonomic way of holding the rotors where shoulder muscles could be utilized and rotors don’t need to be lifted as high, which is designed differently for different rotors. Would it be possible to remove the speed handle from mandatory requirements?

A.4
As per Annex A – Requirement, the speed handle is a mandatory requirement. The speed handle is a rotor handle. It is required for better ergonomics as there is no need to reach into the bottom of the centrifuge to grab the rotor from the bottom. This is an important and useful feature which improves safety and reduces stress.

Q.5
Annex “A” item 4: “Adjust the rotor with different load differentials to maintain a consistent centrifugal curve throughout the spinning period.” Would it be possible to clarify this requirement? It’s mandatory, yet it’s not very clear what this is referring to. Is this referring to running an imbalanced rotor? What is meant by consistent centrifugal curve in this case?

A.5
There are times when samples are slightly different (e.g. weights) which could affect centrifugal force. We need to ensure that there is a system in place that can compensate for the different acceleration rates so samples are subjected to the exact same total centrifugal forces from run to run for better consistency.

Q.6
6.3.1 General Conditions: “1-year parts and labour with 3-years on the drive, 5-years on refrigeration and comprehensive 5-years after delivery and acceptance of the Work”. 5-years on refrigeration is a specific offer by another supplier. Would it be possible to remove this requirement? What does 5-years comprehensive coverage – is it an optional coverage to be purchased or a mandatory coverage?

A.6
We are looking for a comprehensive coverage when purchasing this type of equipment i.e. to ensure that both parts and labour are included. This is especially true with regards to refrigeration as it is integral for us when running this machine at low temperatures.

Q.7
Would any of the criteria above be valuable to the customer and worth including in the technical evaluation criteria?

a. Ability to prevent rotor accidents in denser solutions (over 1.2 g/ml) by calculating rotor inertia

b. Ability to function as both high capacity (up to 4L) and ultracentrifuge with the capability to spin both fixed angle and swinging bucket rotors at ultracentrifuge speeds of over 100,000 x g

c. Ability to maintain 4C temperature even at top speeds (e.g. 29,000 rpm)

A.7

a. Not at this time, we do not plan to use denser solutions in our applications

b. Not at this time. We have high capacity centrifuges, we are specifically looking for an ultra centrifuge for smaller volumes.

c. This is already included in the mandatory technical requirements of the Superspeed centrifuge (-20oc to +40oC with +/- 2oC accuracy),

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.