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11 Laurier St./ 11 rue, Laurier
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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
Scientific, Medical and Photographic Division /
Division de l'équipement scientifique, des produits
photographiques et pharmaceutiques
11 Laurier St./ 11 rue, Laurier
6B1, Place du Portage
Gatineau, Québec K1A 0S5

Title - Sujet MICROSCOPE INVERTED METALURGICAL	
Solicitation No. - N° de l'invitation 31184-141903/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client 31184-141903	Date 2014-12-23
GETS Reference No. - N° de référence de SEAG PW-\$\$PV-939-66269	
File No. - N° de dossier pv939.31184-141903	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-01-12	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Quinn, Laurie	Buyer Id - Id de l'acheteur pv939
Telephone No. - N° de téléphone (819) 956-3824 ()	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 003 is raised to incorporate the following answers to questions that were asked during the Solicitation period.

Q2. Specification 5.0 -This mandatory specification of F.N. 26.5 mm eyepiece limits this tender to one supplier and eliminates any competition. There is no practical / technical reason why this specification should be mandatory as per the requirements. Can this specification be changed or removed?

A2. This specification can be changed to: NRC requires super wide field observation tube and eyepieces with field number (F.N.) of 25mm or greater for efficient orientation and observation of larger viewable specimen area.

Q3: Specification 8.0 - What grade of objectives are required? i.e. Plan achromat, Plan Fluotar, Plan apochromatic.

A3 NRC requires Metallurgical Long Working distance (WD of 1 mm or longer) Plan Semi Apochromatic objective lenses with 5X, 10X, 20X, 50X and 100X magnifications.

Q4: Does the end user require a camera port? If yes, do they require a camera and/or adapter to attach a camera?

A4. NRC requires a port for C-mount CCD camera and/or CCD camera adapter with 0,5X lens, C-mount.

Q5: Specification # 7.0 - Since a camera is not required with this system, do you require a coded nosepiece? Having a coded nosepiece is of no advantage if there is no camera or other motorized options. The advantage of a coded nosepiece is that it will record this information with an image taken by a camera from the supplier.

A5. This specification can be changed to: NRC requires quintuple revolving objective nosepiece for bright/dark, simple polarized light observation and slot for Nomarski DIC prism.

Q6. Confirm the DIC technique requested. I noticed it mentions only DIC, but this technique isn't user-friendly with large samples on microscopes since the user will have to rotate the sample to view the striations at different angles. A technique called Circular DIC has been available for many years. This technique allows the rotation of the DIC prism for the objective. Circular DIC should be a minimum mandatory specification. Please confirm. If not we would quote the inferior basic DIC. Please view the attached document for a complete explanation

A6. NRC requires the Nomarski DIC (linear) technique which utilises a switching slider type single prism for all imaging applications. Most of manufacturers have objective lens series with standardized exit pupil position, the position of the DIC prism does not have to be changed when the magnification was changed by switching the objective lens. In mandatory specifications INRC requested an inverted microscope which allows observation of large, heavy and odd shaped specimens and provides additional safety for objectives and samples.

Q7: LED are as powerful as halogen light sources and they do not need to be replaced. Will this be accepted and viewed as a superior technology?

A7. An LED light source would be accepted as an acceptable substitution.

Solicitation No. - N° de l'invitation

31184-141903/A

Amd. No. - N° de la modif.

003

Buyer ID - Id de l'acheteur

pv939

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

31184-141903

File No. - N° du dossier

pv93931184-141903

CCC No./N° CCC - FMS No/ N° VME

Q8: At the point 2 you mention optical specifications to restore (or true color) colors in the samples. Please specify the grade of objective you want.: fluor – neofluar – fluotar OR apochromate? In addition to the grade of the objective, there is the flatness of the field of view. We call this specification PLAN. It is usually for 23mm or 25mm. Since you want a large field of view, I imagine you want 25mm field flatness correction. Please confirm.

A8. NRC requires Metallurgical Long Working distance (WD of 1 mm or longer) Plan Semi Apochromatic objective lenses with 5X, 10X, 20X, 50X and 100X magnifications.