



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving
PWGSC
33 City Centre Drive
Suite 480C
Mississauga
Ontario
L5B 2N5
Bid Fax: (905) 615-2095**

**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
Public Works and Government Services Canada
Ontario Region
33 City Centre Drive
Suite 480
Mississauga
Ontario
L5B 2N5

Title - Sujet Inverted Metallographic Microscope	
Solicitation No. - N° de l'invitation W0046-195086/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client W0046-195086	Date 2019-01-15
GETS Reference No. - N° de référence de SEAG PW-\$TOR-302-7681	
File No. - N° de dossier TOR-8-41119 (302)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-01-30	
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: Berends, Robert	Buyer Id - Id de l'acheteur tor302
Telephone No. - N° de téléphone (905) 615-2465 ()	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

This amendment is being raised to answer questions to date.

Questions and Answers

Q1. - Are you requesting an inverted compound microscope with objectives and a digital camera attached or is this a digital microscope without eyepieces?

A1. - A digital microscope without eyepieces.

Q2. - Do you want objectives on this microscope? If so which magnifications do you need, i.e. 5x, 10x etc.? There are many different grades of objectives. Can you please indicate what grade of objectives you want?

A2. - The digital microscope must have at least two objectives lens, minimum 5x and 50x. Grade should be low-aberration lenses specified for brightfield, darkfield and polarized. Preferably MPLFLN lenses or equivalent.

Q3. - Typically the highest objective you can put on a compound scope while increasing the resolution is 100x. This objective combined with 10x eyepieces will give 1000x optical zoom. How do you want to obtain 2000x?

A3. - Image obtained through lenses with total optical magnification, including zoom, of at least 2000x. Optical magnification defined as using a combination of adjustable and fixed lenses to achieve the specified magnification.

Q4. - Do you want a magnification changer to increase the magnification above the 1000x?

A4. - Image obtained through lenses with total optical magnification achievable, including zoom, of at least 2000x. Optical magnification defined as using a combination of adjustable and fixed lenses to achieve the specified magnification.

Q5. - Can you please explain what you mean by zoom. If this is a compound scope, the objectives are changed to increase magnification. There is no zoom feature.

A5. - Zoom is achieved with a combination of optical lenses that can be fixed, rotatable or movable, using the same magnification principles as a camera or telescope zoom lens. The objective is fixed but the optical zoom lens is added to increase magnification, just as a fixed eyepiece can be used to increase magnification.

Q6. - Is the digital zoom, the ability to zoom on a live or captured image on the monitor?

A6. - In a digital microscope the image is only observable in digital format, but the magnification, including zoom, is achieved using lenses focusing on the actual sample.

Q7. - For true Darkfield a specific objective must be used. It is not possible to achieve mixed Brightfield/Darkfield at the same time. Can you please explain what you mean.

A7. - The objective lens must be specified for both brightfield and darkfield. Combined brightfield/darkfield objective lens are available, as long as the microscope is designed to incorporate them.

Q8. - Can the delivery date for the goods, training and installation be changed to March 31st. (Instead of delivery on the 1st and later install and training)?

A8. - All deliverables must be completed by March 29th.