



## RETURN BIDS TO:

## RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions Travaux  
publics et Services gouvernementaux Canada  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.É.)  
B3J 1T3  
Nova Scotia  
Bid Fax: (902) 496-5016

## 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  
Atlantic Region Acquisitions/Région de l'Atlantique  
Acquisitions  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.É.)  
B3J 3C9  
Nova Scot

<b>Title - Sujet</b> Autoclave	
<b>Solicitation No. - N° de l'invitation</b> 39903-180375/A	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b> 39903-18-0375	<b>Date</b> 2017-10-04
<b>GETS Reference No. - N° de référence de SEAG</b> PW-SHAL-406-10191	
<b>File No. - N° de dossier</b> HAL-7-79104 (406)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2017-10-26</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Atlantic Daylight Saving Time ADT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Matheson, Valerie	<b>Buyer Id - Id de l'acheteur</b> hal406
<b>Telephone No. - N° de téléphone</b> (902) 496-5100 ( )	<b>FAX No. - N° de FAX</b> (902) 496-5016
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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**Amendment 003 is generated to update the Annex A - Statement of Requirement**

See Attachment

**ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME**

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## ANNEX A STATEMENT OF REQUIREMENT

### **OBJECTIVE:**

Canadian Food Inspection Agency (CFIA) Dartmouth Laboratory requires a steam autoclave to replace an existing 26 year old autoclave. This is a turnkey project; this means that the successful vendor will be responsible for removal and recycling of old autoclave, delivery, installation and commissioning of new autoclave. The primary use for this autoclave will be to decontaminate microbial and pathogenic laboratory waste. CFIA will be responsible for disconnection and reconnection of all utility services (water, steam, electrical and drainage). The particular elements of CFIA's responsibilities are outlined section 3.0 of this specification. The new autoclave must be capable of accepting existing loading cart and racks from the existing autoclave, if not the vendor must provide a new loading cart and adjustable rack system similar to existing.

### **CONSTRAINTS:**

There are a number of physical constraints that make this project very unique and a challenging installation; bidders are strongly urged to attend the bidder's site visit so that they can see the full extent of conditions that will require a high level of coordination for the removal of the old unit and installation of the new unit to minimize the impact of laboratory operations. The replacement autoclave must not exceed the following constraints:

The current autoclave is recessed inside a wall cavity opening measuring 38 ½ " wide X 74 ½ " high X 60" deep. The new autoclave must be able to transit through the building and fit inside the existing recessed wall opening. The new autoclave must measure a maximum of 38" inches in width and 74 ¼ inches in height and must measure not more than 60" deep (from the front of recessed wall face to the back of the unit. Autoclave width not to exceed 44" wide including the control panel, control panel to be mounted on right hand side, door hinged on left hand side so controls can be accessed when door is open and loading cart is secured.

The autoclave being replaced is on the 2<sup>nd</sup> floor level of the building and the only way to facilitate removal of the old unit and installation of the new unit is by means of passenger elevator. The elevator weight limit is 3500 lbs and the autoclave must be able to fit inside an area of 41 ½" wide x 83 ¾" high x 68" deep. The autoclave must be capable of being transited through existing door openings and hallway constrains. *\*Please see attachment "Floor plans and delivery route"*

### **CFIA Responsibilities**

CFIA will be responsible to disconnect all existing utilities (electrical and mechanical). CFIA will be responsible to hook up the following utilities required for new autoclave and to make final connections after the unit is set in place. (Electrical, steam, water, drainage)

- Building steam supply ranges from 50 - 60 psi x 1" NPT
- City water supply with adjustable pressure regulator set @ 50 psi x 1" NPT
- Electrical Controls Circuit 120 v, 1-Phase, 60hz, 2 amps
- Electrical Vacuum Pump Circuit 208/240 v, 60hz, 3-Phase, 6 amps per phase
- Drain connection of 2" funnel drain to nearby floor drain
- Inspection and certification of new installation by NS Dept. of Labour as per the Pressure Vessels Act.

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## MANDATORY STATEMENT OF REQUIREMENTS

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) and sub-paragraphs as applicable to their supporting documentation. The bid will be assessed against the requirements in Annex A and will be assigned a **"MET"** or **"DOES NOT MEET"** designation. A compliant bid must **"MET"** all Technical Requirements.

### Evaluation Grid

Company Name: \_\_\_\_\_ *(Please Insert Company Name)*

Evaluator: \_\_\_\_\_

1.0	Technical Requirements	Meet	Does Not Meet	Reference in Bidder's Proposal
1.1	Minimum chamber dimensions & volume: 26 " x 37.5 " x 48 ", 767 litres			
1.2	Capacity to sterilize materials at temperatures between 100 C and 137 C			
1.3	Chamber, door, and end plate in 316L stainless steel			
1.4	Oval Chamber Design 26"x 37.5"-Oval for optimal heat distribution throughout the entire chamber and optimal roll-off of condensation towards the chamber drain.			
1.5	Door design – Must have a single door, manual hinged on the Left Hand Side. Door to be manual opening type, with single lever for low-effort opening. Door gasket made of one piece extruded elastomer that requires no lubrication.			
1.6	Control panel mounted on the Right Hand Side that displays in both official languages of Canada			
1.7	Water conservation features must include a vacuum pump to ensure the proper functioning of the various operating cycles and automatic programmable utility shutdown & start-up to conserve energy and limit cooling water required.			
1.8	Have a manual and/or programmable system for opening and shutting off the steam and water supply, to minimize water consumption (for environmental protection).			
1.9	Have an eco-mode system that shuts off the steam supply after a period of time specified by the user.			
1.10	Have a system for automatically shutting off steam to the jacket, so that steam supply is stopped during the evacuation phase, allowing the load to cool faster			
1.11	Have a liquid cooling system to prevent liquid evaporation and enable faster solution cooling			

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	Technical Requirements	Meet	Does Not	Reference in Bidder's Proposal
1.12	Have a vapour purge system for discharging air more quickly and preheating the load			
1.13	Recessed installation; has to slide in existing 38" W x 74 1/4" H wall opening; any modification to architectural to be paid by vendor. *Sterilizer width (including control panel) not to exceed 44 inches wide.			
1.14	Control panel with a capacity to program a minimum of 6 cycles and an audible alarm to indicate operating cycle or equipment malfunctions			
1.15	Capacity to carry out the following operating cycles: Gravity, Liquid, Prevacuum			
1.16	Software help program -full texts, with no references to codes from manual			
1.17	Integrated permanent ink printer with automatic paper take-up for documentation purposes			
1.18	Electronic components housed in a ventilated enclosure, with fan to avoid humidity, heat and dust to penetrate inside and affect the electronics			
1.19	New autoclave must be able to reuse existing AMSCO Hercules 24" x 36" x 48" loading cart and transfer carriage OR successful bidder must include a new loading cart with 48" capacity and matching transfer carriage.			
1.20	Equipped with resistance temperature detectors (RTDs) in the chamber, jacket and drain, to indicate the temperature of the sterilizer and effluents.			
1.21	Service support-after sales service to be provided directly by manufacturer with not less than 2 (two) local factory trained service technicians within 50 km of laboratory. Factory support center is accessible via a 800 phone number or through the internet, Service Dispatch Center to provide 24/7 on call support. Local technicians to provide 4 hour response by phone and on-site service support within 48 hours.			
1.22	Vendor is responsible for the removal, recycling of existing AMSCO sterilizer model # E3044			
1.23	Equipped with a mechanical locking mechanism to prevent users from opening the door before the pressure drops to below 2 psi, to prevent burns			
1.24	Have a liquid cooling system to prevent liquid evaporation and enable faster solution cooling			

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<b>2.0</b>	<b>Deliverables</b>	
2.1	Technical documentation shall be provided in English: provide hard copies of the following documents. - Provide operator training manual (2 copies) - Provide factory service manual (2 copies)	
2.2	Training: the supplier must also provide the system's operators with on-site training, in English, on the use and maintenance of the system. Between 5 and 10 persons are expected attend this training session.	
2.3	Schedule- Total downtime for removal, installation and commissioning of new autoclave is limited to 5 working days maximum from start to finish. Contractor is responsible to generate a detailed schedule that demonstrates how they intend to meet this schedule after award of contract. All work to be done during regular business hours 07:30 am – 16:00 pm M-F unless alternate arrangements are made.	
2.4	Manufacturing shop drawings prior to construction and As-Built drawings after installation	
<b>3.0</b>	<b>Approvals and Certification</b>	
3.1	Pressure vessel rated at 45psig, with valid CRN number to operate in all Canadian provinces	
3.2	The proposed system must be CSA- and ASME-approved.	
3.3	NIST Traceable Calibration certificate included, indicating that the calibration of the temperature probes has been verified	
<b>4.0</b>	<b>Warranties</b>	
4.1	Pressure vessel to include 15 year warranty against defects	
4.2	The proposed system must have a one (1) year all-inclusive parts and labour warranty, except for expendable items such as fuses, gaskets, lightbulbs and valve kits. 4 Preventative Maintenance (PM) visits (quarterly), plus all corrective calls	
4.3	2 year warranty on door gasket	
<b>5.0</b>	<b>Spare parts</b>	
5.1	Include 2 (two) complete Original Equipment Manufacture (OEM) "Preventative Maintenance Packs" (PM) that includes all required PM rebuild kits required for major annual maintenance as recommended by the factory	
5.2	Include 1 (one) spare door gasket replacement kit	
5.3	Include 1 (one) spare printer replacement kit	
5.4	Include 12 (twelve) rolls of printer paper	
<b>6.0</b>	<b>Removal, Delivery and Installation</b>	
6.1	The proposed system must be delivered to and installed at Canadian Food Inspection Agency, Dartmouth Laboratory, 1992 Agency Drive, Dartmouth NS B3B 1Y9 Room C163	
6.2	The supplier will be responsible for unpacking the autoclave, bringing it to its intended location in C163 and levelling it, as well as set-up and commissioning by factory trained service technician. The owner will be responsible for the water, steam, plumbing and electrical connections.	
6.3	Vendor is responsible for any rigging or speciality moving services required to remove old unit or install new unit.	
<b>7.0</b>	<b>Conditions</b> provide proof of the following within 1 week of award of contract	
7.1	Conduct a Job Hazard Assessment prior to any on-site work.	