



**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions  
Travaux publics et Services gouvernementaux  
Canada  
Pacific Region  
401 - 1230 Government Street  
Victoria, B.C.  
V8W 3X4  
Bid Fax: (250) 363-3344

**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 -  
Pacific Region  
401 - 1230 Government Street  
Victoria, B. C.  
V8W 3X4

<b>Title - Sujet</b> BREATHING AIR PURIFIERS	
<b>Solicitation No. - N° de l'invitation</b> W3555-165141/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> W3555-165141	<b>Date</b> 2016-01-22
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$VIC-211-6880	
<b>File No. - N° de dossier</b> VIC-5-38152 (211)	<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 2016-01-29</b>	
<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> Park, Isabell	<b>Buyer Id - Id de l'acheteur</b> vic211
<b>Telephone No. - N° de téléphone</b> (250) 363-3981 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<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>

### **Amendment 001**

This amendment is raised to publish questions and answers and to revise Annex A – Requirement

#### Under Statement of Work

Question 001: Annex A – Requirement, Item 1.1:

If the purification package is required to be compliant to the current CSA Z180.1-13 Compressed Breathing Air and System Standard then CO monitors must be included in the breathing air system. These can be supplied either mounted, pre-piped and wired to the breathing air purifiers or shipped separately to be mounted downstream of purifiers. Does every breathing air purifier require a CO monitor or do you plan to install CO monitors downstream to monitor the air quality? If you want us to supply CO Monitors, would you like them mounted or shipped loose?

Response 001: Every breathing air purifier must be supplied with a CO monitor. CO monitors must not come installed on the breathing air purifier units.

Question 002: confirm that the purifier pressure vessel components must have be CRN (Canadian Registration Number) and registered with the BC Safety Authority for use in British Columbia

Response 002: CRN and Registration with BC Safety Authority are not required.

Question 003: confirm that the filtration quality and performance must certified to ISO 12500-1-2-3 testing standards

Response 003- Units must be compliant with Canadian Breathing Air Standard CSA Z180.1-13.

Question 004: Tender calls for 5 units to have dewpoint sensors-please check if this is correct or is the requirement is for dewpoint sensors and monitors.

Response 004: (5) units with dewpoint sensors and monitors to display the dewpoint of the outlet air.

Question 005: If we can meet your requested delivery date of March 31, 2016 for the fifteen (15) breathing air purifiers, how long after the closing date would the Contract be issued?

Response 005: We expect the contract will be issued within 2-3 weeks.

Delete Annex A and replace with following:

### **Annex A - Requirement**

#### **Overview;**

The following is the minimum Government of Canada requirements for fifteen (15) breathing air purifier units. The purchased units will replace fifteen air purifiers at FMF CB which are due for life cycling. These air purifiers are used by personnel doing ship repair work in spaces with hazardous air quality at FMF CB. These air purifiers will operate using compressed air supplied by a fixed shop compressor or portable compressors. FMF CB intends to buy fifteen (15) breathing air purifier units with the option to buy up to ten (15) additional breathing air purifier unit (s) within 12 months of contract award.

Item	Minimum Mandatory Requirements	Comments	Bid Ref Page #	Pass/Fail
<b>REGULATORY REQUIREMENTS</b>				
1.1	Units must be compliant with Canadian Breathing Air Standard CSA Z180.1-13.			
1.2	All electrical equipment supplied under the contract must be certified or approved for use in accordance with the <i>Canadian Electrical Code</i> , Part 1, before delivery, by a certification organization accredited by the Standards Council of Canada.			
<b>UNIT REQUIREMENTS</b>				
1.3	Vendor must supply a quantity of fifteen (15) multi-stage breathing air purifier units.			

Item	Minimum Mandatory Requirements	Comments	Bid Ref Page #	Pass/Fail
1.4	Five (5) of the units must come with a dewpoint sensor.			
1.5	Units must be able to operate with an inlet pressure between 4.1 bar g (60 psig) to 10.3 bar g (150 psig).			
1.6	Units must have a minimum outlet flowrate of 19 L/s (41cfm) with an inlet flowrate of 25 L/s (53cfm) at 6.9 bar (100psi).			
1.7	Units must have an inlet connection size of G½" or NPT 1".			
1.8	Units must have an outlet connection size of G¾" or NPT 1".			
1.9	Units must have an operating temperature range between 1.5°C (35°F) to 30°C (86°F).			
1.10	Units must not exceed the following:			
1.10.1	Height: 1550 mm (61.0 in.)			
1.10.2	Width: 500 mm (19.7 in.)			
1.10.3	Depth: 350 mm (13.8 in.)			
1.10.4	Weight: 55 kg (121 lbs)			
1.11	Units must have filters that can be replaced.			
1.12	Each unit must be supplied with a carbon monoxide (CO) monitor that can be installed separately. CO monitors must not come installed on the breathing air purifier units.			
<b>ADDITIONAL REQUIREMENTS</b>				
1.13	Vendor must supply all filters and parts required for routine maintenance on each unit within the first twelve (12) months of operation.			
1.14	Vendor must submit with the bid package a list from the units' manufacturer stating all the filters and parts required for routine maintenance. This list must include the maintenance intervals for replacing each filter and part.			
1.15	The supplied units must include maintenance and operation manuals for the as built units. Manuals must be provided in hard copy and digital format (PDF format on CD or DVD only). Manuals must be published in English. A minimum of two (2) hard copies and one (1) digital copy of the manual must be provided. Manuals must include vendor recommended maintenance schedules, hydraulic schematics, electrical schematics, and spare parts list.			
1.16	The supplied unit must include full parts and labour warranty for a minimum of twelve (12) months.			

Item	Optional Requirements
2.1	DND to be able to exercise option to buy fifteen (15) additional breathing air purifiers within twelve (12) months of contract award.