



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving - PWGSC / Réception des
soumissions - TPSGC

11 Laurier St. / 11, rue Laurier

Place du Portage, Phase III

Core 0B2 / Noyau 0B2

Gatineau, Québec K1A 0S5

Bid Fax: (819) 997-9776

LETTER OF INTEREST

LETTRE D'INTÉRÊT

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Electrical & Electronics Products Division

11 Laurier St./11, rue Laurier

7B3, Place du Portage, Phase III

Gatineau, Québec K1A 0S5

Title - Sujet Powered Air Purifying Respirators	
Solicitation No. - N° de l'invitation W6399-16HC27/A	Date 2015-12-03
Client Reference No. - N° de référence du client W6399-16HC27	GETS Ref. No. - N° de réf. de SEAG PW-\$\$HN-329-68536
File No. - N° de dossier hn329.W6399-16HC27	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-01-04	
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: Dumaresq, Steve	Buyer Id - Id de l'acheteur hn329
Telephone No. - N° de téléphone (819) 956-3487 ()	FAX No. - N° de FAX (819) 953-4944
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée See Herein	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	

PART 1 - INTRODUCTION

A Request for Information (RFI) is used when detailed information and feedback are required from suppliers. Such requests might outline a potential requirement and request suppliers to describe their ability to satisfy the requirement and to provide ideas and suggestions on how the eventual solicitation might be structured. Responses are used to assist the client department and PWGSC in finalizing their plans for the requirement and in developing achievable objectives and deliverables.

The main objectives of the RFI allow suppliers to:

1. Assess and comment on the adequacy and clarity of the requirements as currently expressed;
2. Offer suggestions regarding potential alternative solutions that would meet requirements, such as solution with a lower environmental impact.
3. Provide information to assist the client department to determine whether to proceed with requirements/strategy as planned, and if so, further developing internal planning, approval and solicitation documents that may potentially lead to a solicitation;
4. Refine the procurement strategy, project structure, cost estimate, timelines, requirements definition, and other aspects of the requirement;
5. Become a more "informed buyer" with an enhanced understanding of industry goods and service offerings in the areas of interest; and
6. Assess potential alternative solution concepts that would meet its requirement, such as environmentally preferable solutions.

This is not a bid solicitation. A contract will not result from this activity.

This RFI will not necessarily result in any procurement action. This RFI is for informational purposes only and does not constitute a commitment by Canada. Responses to this RFI will not constitute a commitment from the industry provider. Canada will not reimburse any expenses incurred for the preparation of responses to this RFI.

CONFIDENTIALITY

All information obtained with this RFI is treated as confidential and protected under the Privacy Act and Access to Information Act.

PART 2 - SUPPLIER INSTRUCTIONS

1. Responses are to be submitted to the PWGSC Bid Receiving Unit:

RFI no. W6399-16HC27/A
Bid Receiving - PWGSC
11 Laurier Street
Place du Portage, Phase III
Core 0B2
Gatineau, Québec K1A 0S5
Tel.: (819) 956-3366

2. Due to the nature of the RFI, it is requested that responses are not submitted by facsimile (fax) or electronic mail (email), but rather only in hardcopy format, submitted to the Bids Receiving Unit address above.

3. Please submit two (2) identical copies of the response

1 copy will be given to the Department of National Defence (DND) and 1 copy will remain with the Contracting Authority (PWGSC).

Any response submitted will become the sole property of Canada and will not be returned to the supplier. The response will be used to assist Canada in further analyzing the presented requirement and, as such, may be used in the development of a future solicitation process.

4. Response required by:

2:00 PM on 4 January 2016

5. Inquiries

Please address all inquiries about this RFI to the Contracting Authority:

Steve Dumaresq
Public Works and Government Services Canada
Place du Portage, Phase III
11 Laurier Street, Gatineau, Quebec Canada K1A 0S5
Telephone: (819) 420-0341
Email: steve.dumaresq@tpsgc-pwgsc.gc.ca

PART 3 - STATEMENT OF REQUIREMENT

Powered Air Purifying Respirator Air Supply Unit (PAPR-ASU) PMO CANSOFCOM - Department Of National Defence

1. Purpose and Nature of the Request for Information (RFI):

Public Works and Government Services Canada (PWGSC) is requesting Industry feedback regarding Powered Air Purifying Respirator Air Supply Unit (PAPR-ASU) for the Government of Canada for use by the Canadian Armed Forces (CAF) worldwide.

The objective of this Request For Information (RFI) is to share DND's requirement and seek feedback from Industry on potential options to meet CAF needs and associated capability, schedule and cost. This is the first step of an Industry Engagement process where the PAPR-ASU project will be seeking initial input on availability of technology, ability for industry to deliver and cost estimates for the initial acquisition of the required PAPR-ASU capability.

Although the information collected may be provided as commercial-in-confidence (and, if identified as such, will be treated accordingly by Canada), Canada may use the information to assist in drafting performance specifications (which are subject to change) and for budgetary purposes.

Respondents are encouraged to identify, in the information they share with Canada, any information that they feel is proprietary, third party or personal information.

Respondents are asked to identify if their response, or any part of their response, is subject to the Controlled Goods Regulations.

Participation in this RFI is encouraged, but is not mandatory. There will be no short-listing of potential suppliers for the purposes of undertaking any future work as a result of this RFI. Similarly, participation in this RFI is not a condition or prerequisite for the participation in any potential subsequent solicitation. Respondents will not be reimbursed for any cost incurred by participating in this RFI.

2. Background Information:

The Department of National Defence (DND) has a mandate to conduct tasks in environments that are, or could be, contaminated with a chemical, biological, or radiological substance. Respirators are a critical component of the Personal Protective Equipment suite that ensures DND personnel are provided a high level of personal protection while conducting operations in these environments. The variety and intensity of tasks experienced during operations necessitates a flexible modular respirator system that permits the user to tailor the function of the system to the environment and task at hand.

The goal is to provide a higher respiratory protection factor against particulate contaminants while lowering the physical and thermal burden traditionally experienced with negative-pressure Air Purifying Respirators (APR). It is imperative that the PAPR-ASUs are fully compatible with in-service single and dual port APRs as well as the in-service CBRN Canister (C7A) and Supplied Air Respirators (SARs). The PAPR-ASU must integrate with existing equipment in such a way as to allow seamless transition between PAPR and SAR modes with minimal effort and without compromise respiratory protection.

3. Potential Work Scope and Constraints:

DND intends to procure approximately 150 Powered Air Purifying Respirator Air Supply Units (PAPR-ASU) to augment the capability of existing in-service respirators.

3.1 Employment Concept of PAPR-ASU

The PAPR-ASU will be employed in conjunction with existing Personal Protective Equipment to provide a greater degree of performance and protection. Operators must be able to transition between non-powered, powered and supplied-air modes in order to adapt to hazard and mission profile. Such transition shall be executed seamlessly, within a contaminated environment, without exposing the operator to the hazards present. The PAPR-ASU must provide sufficient air-flow through the in-service C7A CBRN canister as to support extreme physical exertion over a sustained period of time (up to 20mins).

3.2 Concept of Support

The procurement of the PAPR-ASU is to include the first three years of Integrated Logistics Support. The maintenance and repair of the PAPR-ASU will follow the fundamental tenets and level of Combat Service Support (CSS) detailed in the Army sustainment doctrine B-GL-300-004/FP-001. CAF personnel with OEM support, as required, will be responsible to sustain the PAPR-ASU fleet in a manner that is similar to the other Personal Protective Equipment systems. Additional support concepts are detailed as follows:

3.5.1 Maintenance Support. Operators will conduct operator level maintenance tasks. Maintenance support will be conducted on the PAPR-ASU by CAF maintenance personnel for first and second level repairs. Repairs at the third and fourth level will be conducted by the OEM.

3.5.2 Supply and Repair Parts Support. The OEM shall provide a recommended spare parts list to support first and second line maintenance of the PAPR-ASU. Such items shall be readily available to be Requisitioned on Contract throughout the lifecycle of the capability.

3.5.3 Special Tools and Test Equipment. Test equipment will be required to perform validation of equipment prior to operation and following maintenance. Special tools must only be required to perform second-line for the PAPR-ASU.

3.5.4 Training. Operators will require training on the safe operation of the PAPR-ASU including limitations, fault recognition and operator maintenance tasks. The maintenance personnel will require training related to the maintenance and quality assurance of PAPR-ASU.

3.5.5 Technical Publications. Technical publications to support the PAPR-ASU will be provided in both Official Languages, English and French.

3.3 Security Requirements

The PAPR-ASU Project is seeking a Commercial-Off-The-Shelf (COTS) product that is not subject to security or Controlled Goods restrictions.

4. Legislation, Trade Agreements and Government Policies:

The following is indicative of some of the legislation, trade agreements and government policies that could impact any follow-on solicitation(s):

- a) Agreement on Internal Trade (AIT)
- b) North American Free Trade Agreement (NAFTA)
- c) World Trade Organization – Agreements on Government Procurement (WTO-AGP)
- d) Defence Production Act
- e) Industrial and Regional Benefits (IRBs)
- f) Defence Procurement Strategy (DPS)
- g) Controlled Goods Program (CGP)
- h) Federal Contractors Program for Employment Equity (FCP-EE)

5. Requested Information:

5.1 Technical Specifications Compliance

A matrix (Annex A) detailing the proposed draft Technical Specifications is attached. Respondents are requested to fill out the matrix according to the following guidelines:

- 5.1.1 Under the *Compliant* column the Respondent is to indicate if its product is able to meet the requirement, either yes or no.
- 5.1.2 Under the *Discuss Compliance* the Respondent is to indicate how its proposed system meets the stated *Requirement*. If the requirement is exceeded, the Respondent should indicate to what level. If the requirement cannot be met, the Respondent should indicate to what level or degree its product could comply. DND is open to suggestions on alternative requirements.
- 5.1.3 Under the *Applicable Reference* the Respondent is to indicate references, such as test reports, to show the proposed vehicle meets the stated *Requirements*. Where possible, Respondents are requested to provide reference material to support claims.

5.2 Financial Information

The Government of Canada requires costing data to support the procurement process. Respondents are requested to provide ROM costing data based on:

- 5.2.1 PAPR-ASU Quantity 150
- 5.2.2 In-Service Support (estimated annual costs and/or labour rates)
 - 5.2.2.1 Initial Training;
 - 5.2.2.2 Spare Parts Resupply
 - 5.2.2.3 Repair and Overhaul

6. Technical Specification Compliance Matrix

Refer to Annex A attached

Powered Air Purifying Respirator Air Supply Unit (PAPR-ASU)
Suggested Technical Specifications
Compliance Matrix

Requirements	Compliant ? [Yes / No]	Discuss Compliance Please provide details. DND is open to suggestions on alternatives	Applicable Reference
1.0 MANDATORY REQUIREMENTS			
1.1 MATERIALS			
1.1.1 The PAPR Air Supply Unit has a shelf life when stored in the manufacturer's original packaging of not less than ten (10) years.			
1.1.2 The PAPR Air Supply Unit is composed of non-hazardous materials;			
1.1.3 The PAPR Air Supply Unit does not burst into flames, burn or melt when subjected to thermal radiation of 15 calories/cm2/second (emitted as a square wave) in accordance with QSTAG 695;			
1.1.4 The PAPR Air Supply Unit only requires minimal user maintenance (less than one hour per month);			
1.1.5 The PAPR Air Supply Unit is easily cleaned using mild detergents and water; and			
1.1.6 The entire PAPR Air Supply Unit and backpack/belt carrying systems is black with a non-reflective (matte) finish.			
1.2 ENVIRONMENTAL			
1.2.1 The PAPR Air Supply Unit operates under the climatic conditions A1 to A3, B1 to B3 and C0 and C1, as described in MIL-STD-810G; and			
1.2.2 The PAPR Air Supply Unit is designed with a service life of not less than five (5) years in accordance with QSTAG 695.			
1.3 POWER			
1.3.1 The PAPR Air Supply Unit is battery operated;			
1.3.2 The PAPR Air Supply Unit provides no less than four (4) hours of supplied air without changing batteries; and			
1.3.3 The PAPR Air Supply Unit is equipped with a conveniently located on/off switch that is readily accessible to the user without assistance or doffing the PAPR and/or other equipment.			

Powered Air Purifying Respirator Air Supply Unit (PAPR-ASU)
Suggested Technical Specifications
Compliance Matrix

1.4	COMPATIBILITY		
1.4.1	The PAPR Air Supply Unit is equipped with a minimum of two (2) filter canister mounts with NATO standard 40 mm (1.57 in) threads for filters in accordance with STANAG 4155;		
1.4.2	The PAPR Air Supply Unit does accommodate at least two (2) C7A CBRN canister securely as to prevent their dislodgement as a result of common operational activities including vibration, shock and impact;		
1.4.3	The PAPR Air Supply Unit is compatible with an Air Purifying Respirators (APR) equipped with NATO standard 40mm (1.57in) threads for filters in accordance with STANAG-4155 without modifying the respirator or utilizing specialty tools;		
1.4.4	The PAPR Air Supply Unit is to Integrate with the Scott Safety Tactical PAK (Item# 201198-01) Self-Contained Breathing Apparatus (SCBA) so as to allow the PAPR Air Supply Unit and SCBA to be simultaneously connected to a single-port APR;		
1.4.5	The PAPR Air Supply Unit is to be equipped with a conveniently located switch to transition between PAPR and Supplied Air Modes (SAR) mode while wearing a single-port APR that is readily accessible to the user without assistance or doffing the PAPR and/or other equipment; and		
1.4.6	The PAPR Air Supply Unit is to enable the user to transition between PAPR and SAR mode within nine (9) seconds.		
1.5	PERFORMANCE		
1.5.1	The PAPR Air Supply Unit is to weigh no more than five (5) pounds;		
1.5.2	The PAPR Air Supply Unit is to provide a flow rate of no less than 175l per minute when powered;		
1.5.3	The PAPR Air Supply Unit is to have an inhalation resistance of no more than 50mm of water at 85l per minute when unpowered and fitted with a C7A canister;		
1.5.4	The PAPR Air Supply Unit is to provide a protection factor of no less than 10,000ppm in the PortaCount fit testing protocol when paired with an approved, in-service APR; and		

Powered Air Purifying Respirator Air Supply Unit (PAPR-ASU)
Suggested Technical Specifications
Compliance Matrix

1.5.5 The PAPR Air Supply Unit is to operate without mechanical, physical or power failure while supporting intervals of extreme physical activity lasting up to twenty (20) minutes			
1.6 PERFORMANCE			
1.6.1 The PAPR Air Supply Unit is to include an integrated belt or strap mounting system to interface with the MOLLE pattern or SCBA pack.			
END OF DOCUMENT			
XX			