Public Works and Government Services Canada

Travaux publics et Services gouvernementaux Canada

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 0A1 / Noyau 0A1
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

REQUEST FOR PRICE AND AVAILABILITY
DEMANDE DE PRIX ET DE DISPONIBILITÉ

This is not a bid solicitation but an inquiry for the purpose of obtaining price and availability information for the goods, services, and construction specified herein. The information requested herein is for budgeting and planning purposes only. Contracts will not be entered into on the basis of suppliers' responses.

Il ne s'agit pas d'une invitation à soumissionner mais d'une demande de renseignements sur les prix et la disponibilité des biens, services et construction spécifiés aux présentes. Les renseignements demandés aux présentes sont nécessaires uniquement à l'établissement du budget et à la planification. Les marchés ne seront pas attribués suite aux réponses des fournisseusr/entrepreneurs.

Comments - Commentaires

Title - Sujet
Portable Pedestrian Portal Monitors

Solicitation No. - N° de l'invitation	**Date**
W8486-12PPPM/A	2012-02-21
Client Reference No. - N° de référence du client	**GETS Ref. No. - N° de réf. de SEAG**
W8486-12PPPM	PW-$$HN-329-59363
File No. - N° de dossier	**CCC No./N° CCC - FMS No./N° VME**
hn329.W8486-12PPPM	

Solicitation Closes - L'invitation prend fin
at - à 02:00 PM
on - le 2012-03-12

Time Zone
Fuseau horaire
Eastern Daylight Saving Time EDT

F.O.B. - F.A.B.
Plant-Usine: ☐ **Destination:** ☐ **Other-Autre:** ☐

Address Enquiries to: - Adresser toutes questions à:	**Buyer Id - Id de l'acheteur**
Dumaresq, Steve	hn329
Telephone No. - N° de téléphone	**FAX No. - N° de FAX**
(819) 956-3487 ( )	(819) 953-4944

Destination - of Goods, Services, and Construction:
Destination - des biens, services et construction:

DEPARTMENT OF NATIONAL DEFENCE
CFSD MONTREAL
6363 RUE NOTRE DAME ST E.
MONTREAL
Quebec
H1N2E9
Canada

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address
Raison sociale et adresse du fournisseur/de l'entrepreneur

Delivery Required - Livraison exigée	**Delivery Offered - Livraison proposée**
See Herein	

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**

Issuing Office - Bureau de distribution
Electrical & Electronics Products Division
11 Laurier St./11, rue Laurier
6B1, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

Canada

PART 1 - INTRODUCTION

A Price and Availability (P&A) enquiry is a request sent to suppliers for information concerning approximate prices and availability of specific goods or services. It is used when such information is needed by Public Works and Government Services Canada (PWGSC) or by a client department for program planning or budgetary purposes. This P&A enquiry clearly indicates that the request is not a solicitation and that there are no commitments with respect to future purchases or contracts.

The main objectives of the P&A are to:

1. allow suppliers to:

- provide approximate prices and availability of the requirement presented herein;
- assess and comment on the adequacy and clarity of the requirement as currently expressed; and also
- offer suggestions regarding potential alternative solutions that would meet requirements, such as solution with a lower environmental impact.

2. 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;
- refine the procurement strategy, project structure, cost estimate, timelines, requirements definition, and other aspects of the requirement;
- become a more "informed buyer" with an enhanced understanding of industry goods and service offerings in the areas of interest; and
- 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 P&A will not necessarily result in any procurement action. This P&A is for informational purposes only and does not constitute a commitment by Canada. Responses to this P&A will not constitute a commitment from the industry provider. Canada will not reimburse any expenses incurred for the preparation of responses to this P&A.

PART 2 - SUPPLIER INSTRUCTIONS

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

P&A no. W8486-12PPPM/A
Bid Receiving - PWGSC
11 Laurier Street
Place du Portage, Phase III
Core 0A1
Gatineau, Québec K1A 0S5
Tel.: (819) 956-3366

2. Due to the nature of the P&A, it is requested that responses are <u>not</u> submitted by facsimile (fax) or electronic mail (email), but rather <u>only</u> 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 Contracing 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 analysing the presented requirement and, as such, may be used in the development of a future solicitation process to be posted on Merx.

4. Response required by:

<u>2:00 PM on 12 March 2012</u>

5. Inquiries

Please address all inquiries about this P&A 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) 956-3487
Email: steve.dumaresq@tpsgc-pwgsc.gc.ca

PART 3 - PROPOSED STATEMENT OF WORK

1. REQUIREMENT

1.1 GENERAL

1.1.1 This Price and Availability (P&A) request seeks to determine the current state and cost of Commercial-off-the-Shelf (COTS) Portable Pedestrian Portal Monitors.

1.1.2 The Director Combat Support Equipment Management (DCSEM) is exploring new Portal Monitors that take advantage of recent technical advancements. This P&A seeks to identify potential suppliers of new systems to replace the current suite of Portal Monitors which are approaching their economic end-of-life.

1.1.3 Comments placed in italics throughout this P&A are intended to provide additional information and guidance only and do not form part of the specifications.

1.2 REFERENCES

1.2.1 ANSI Standard N42.35-2006, "American National Standard for Evaluation and Performance of Radiation Detection Portal Monitors for Use in Homeland Security", available at: http://standards.ieee.org/getN42/download/N42.35-2006.pdf.

1.2.2 MIL-STD 461F, "Requirements for the Control of Electromagnetic Interference Characteristics of Subsystems and Equipment", Dec 2007, available at: http://snebulos.mit.edu/projects/reference/MIL-STD/MIL-STD-461F.pdf.

1.2.3 NATO AEP-7, "Nuclear, Biological, and Chemical (NBC) Defense Factors in the Design, Testing and Acceptance of Military Equipment", Edition 4, 2000, available at: http://www.tradoc.mil.al/Standartizimi/Downloads/AEP-07E(4).pdf

1.3 DEFINITIONS

1.3.1 Kit: The 'Portal Monitor' and all required 'Ancillary Equipment'.

1.3.2 Portal Monitor: As defined by ANSI N42-35, Section 3.2.6 "Portal Monitor". The Portal Monitor shall include all components necessary to setup and operate the system.

To be sure, the Portal Monitor includes any stands, tripods, straps, interface equipment, chargers, cables or other components necessary to meet the operational and performance requirements.

1.3.3 Ancillary Equipment: All associated items necessary to maintain, configure, store and transport the Portal Monitor.

The intent is to contain each Portal Monitor within a rugged case (or cases), complete with all the manuals, tools, spare batteries, interface equipment, cables, check sources, and / or other associated items. The rugged cases provide protection for storage and transport, and a self-contained 'carry-away' arrangement essential for rapid deployment.

2. TECHNICAL SPECIFICATIONS: PORTAL MONITOR

2.1 GENERAL

2.1.1 Unless otherwise indicated, the Portal Monitor shall conform to ANSI N42.35-2006.
This Technical Specification follows the same structure as that used in the ANSI standard, and sections include direct reference to the specific sections in the standard (where applicable). **In all instances, the Technical Specification presents additional requirements that are more rigorous or more constraining to those detailed in ANSI N42.35.**

ANSI N42.35 is primarily intended for installed Portal Monitors, this P&A details the requirement for a portable Portal Monitor; that is, a Portal Monitor designed to be deployed to a previously unknown location and used for a specific task for a specified period of time. Deployed locations range from sheltered environments to outdoor locations with uneven terrain and full exposure to weather.

2.2 GENERAL CHARACTERISTICS (ANSI N42.35 SECTION 5.1.1)

2.2.1 The Portal Monitor shall be a multiple-sided Pedestrian Monitor (Category E).

The intent of this requirement is to have at least one detection assembly on each side of the portal monitor.

2.2.2 The distance between the detection assembles shall not be less than 36 inches.

The intent of this requirement is to ensure the Portal Monitor is as wide as the standard North American exterior door, to permit easy passage of (1) personnel wearing personal protective equipment and (2) non-ambulatory personnel being transported by stretcher.

2.2.3 The Portal Monitor shall permit a passage height of not less than 2 metres.

2.2.4 The Portal Monitor shall indicate which side detected the alarm condition.

2.3 PHYSICAL CONFIGURATION (ANSI N42.35 SECTION 5.2)

2.3.1 The Portal Monitor shall:

a. Be weather-tight;

The intent of this requirement is to ensure the Portal Monitor does not require a sheltered or indoor environment when deployed. Possible weather conditions include heavy rain, snow, dust, salt-air, extreme cold and extreme heat.

b. Hold all components secure in wind conditions up to 10 m/s;

The intent of this requirement is to ensure the Portal Monitor does not bang, flap or otherwise shift when exposed to direct wind up to a Fresh Breeze (see http://en.wikipedia.org/wiki/Beaufort_scale).

c. Provide a mechanism to anchor itself securely to the ground.

The intent of this requirement is to ensure the Portal Monitor is not inadvertently knocked over by personnel, wind or other means.

d. Be designed for use on uneven terrain; and

The intent of this requirement is to ensure the Portal Monitor does not require a flat surface when deployed.

e. Be designed for use in all lighting conditions;

The intent of this requirement is to ensure all Portal Monitor displays and indicators are readily visible and easily readable in all lighting conditions, ranging from direct sunlight to complete darkness, without requiring external light sources.

2.4 TYPE OF RADIATION DETECTOR (ANSI N42.35 SECTION 5.2.1)

2.4.1 The Portal Monitor shall detect gamma radiation.

2.4.2 The Portal Monitor shall have visible and audible alarms.

2.5 DETECTION SYSTEM CONSTRUCTION (ANSI N42.35 SECTION 5.2.3)

2.5.1 The Portal Monitor shall be designed for outdoor use.

2.5.2 The Portal Monitor shall be able to be setup, from its transport case to full operational capability, by two people in less than 15 minutes in fair weather conditions.

2.5.3 Once setup, the Portal Monitor shall be able to be collapsed and returned to its transport cases by two people in less than 20 minutes in fair weather conditions.

The increased time allowance for collapsing the Portal Monitor is to allow for additional effort associated with releasing anchoring mechanisms.

2.5.4 The Portal Monitor shall be able to be setup and operated by personnel wearing personal protective equipment.

The intent of this requirement is to ensure all knobs, latches, closures, fasteners, dials, switches, buttons and other design elements can be manipulated or controlled, as required, by personnel wearing protective gloves.

2.5.5 All battery caps, protective covers or otherwise removable components shall be held captive by lanyards, chains or other appropriate mechanisms to prevent loss.

2.5.6 The Portal Monitor shall minimize the number of exposed wires, lanyards, chains, loops, cables or other mechanisms.

The intent of this requirement is to minimize the potential of personnel and / or equipment from getting snagged when passing through or working around the Portal monitor.

It is understood the above two requirements appear initially to be opposing. However, through suitable design, it is expected that removable components can be held captive by chains, lanyards, etc that are retained within the external skin of the Portal Monitor.

2.5.7 The Portal Monitors meters shall be designed to resist NBC contamination in accordance with NATO AEP-7.

2.5.8 The Portal Monitor shall be designed to withstand high-pressure washing, vigorous scrubbing and rinsing in the event of radiological contamination.

The intent of this requirement is to ensure the Portal Monitor would survive cleansing with hot water pressure washers, scrub brushes and low-pressure (garden hose) rinsing.

2.6 OCCUPANCY AND SPEED SENSORS (ANSI N42.35 SECTION 5.5)

2.6.1 The Portal Monitor shall have an Occupancy Sensor.

It is understood that the combined requirement of: (1) deployment on uneven terrain; (2) quick setup / collapse times and (3) an occupancy sensor; creates an aggressive requirement. Items (1) and (2) are driven by operational requirements. Item (3) is driven by ANSI N42.35 Section 6.8. In short, compliance with Section 6.8 requires continuous background monitoring with independent alarms. The Occupancy Sensor is seen as the control mechanism that permits this distinction.

2.6.2 The Portal Monitor shall provide a means for the user to disable the Occupancy Sensor.

The intent of this requirement is to permit deployment in roles where the Occupancy Sensor is not suitable or required.

2.7 MARKINGS (ANSI N42.35 SECTION 5.6)

2.7.1 All Portal Monitor markings shall be in English and French OR exclusively in international symbols and abbreviations.

2.8 POWER SUPPLY (ANSI N42.35 SECTION 5.7)

2.8.1 The Portal Monitor shall be designed to operate from any one of the following powers supplies:

a. an external single-phase 110 VAC 60 Hz power supply;
b. an external 24V DC vehicle power supply; and
c. an internal battery source.

2.9 EFFECTIVE RANGE OF MEASUREMENT (ANSI N42.35 SECTION 5.9)

2.9.1 The Portal Monitor shall respond to photon radiation from 60 keV to 3 MeV.

2.10 USER INTERFACE (ANSI N42.35 SECTION 5.2)

2.10.1 The Portal Monitor shall provide the following Interfaces when deployed for operation:

a. Warning Indicators (ANSI N42.35 Section 5.10.2.1); and
b. Basic Indications (ANSI N42.35 Section 5.10.2.2).

2.10.2 The Portal Monitor shall provide the Advanced Indications and Functions (ANSI N42.35 Section 5.10.2.3) when being configured in sheltered environments.

The intent of this distinction is to permit the use of an external notebook computer to access the advanced indications, without the requirement to make the notebook computer meet the stringent environmental conditions for unprotected outdoor use. However, any external notebook computer would need to be sufficiently rugged to survive repeated deployment.

2.11 RADIO FREQUENCY (ANSI N42.35 SECTION 8.1)

2.11.1 The Portal Monitor shall not be affected by RF fields when tested using MIL-STD 461F RS103 protocols (Army, Ground).

This reference calls for tests over a frequency range of 2 MHz to 40 GHz at an intensity of 50 volts per metre (V/m), 1 kHz pulse modulation at 50% duty cycle.

2.11.2 No alarms shall occur as a result of RF radiation alone.

3. TECHNICAL SPECIFICATIONS: ANCILLARY EQUIPMENT

3.1 TRANSPORT CASE

3.1.1 The Portal Monitor shall be contained in a durable, hard-shell, case (or cases) that shall protect the contents during storage and during transport in vehicles, ships or aircraft.

3.1.2 Each case shall provide resistance to moisture ingression.

3.1.3 The interior of the each case shall be lined with foam or other suitable, flexible, shock-absorbing material, to provide secure and fitted storage for all case contents.

3.1.4 Each case shall be optimally sized.

The intent of this requirement is to ensure that the case is the smallest size practical for the items it contains.

As guidance, the case should be well organized and designed around a "grab and go" concept. The case layout should provide ready access to all ancillary equipment while the user is wearing protective (industrial) gloves.

3.1.5 Each case shall;

a. Not have any dimension that exceeds 60 inches;
b. Have an overall size, defined as the sum of all three dimensions, of less than 144 inches; and
c. Weigh less than 70 lbs.

3.1.6 The combined weight of all cases, fully loaded with the Portal Monitor and all ancillary equipment, shall not exceed 200 lbs.

The intent of these requirements is to ensure the Portal Monitor Kit does not exceed dimension and weight limitations required for express courier shipment.

3.1.7 Each case shall not be provided with locks.

3.1.8 Each case shall be able to be sealed with tamper-evident seals to indicate if the case has been opened during transit.

3.1.9 Each case shall have:

a. Rugged handles for easy lifting; and
b. Durable wheels for easy movement.

3.1.10 Each case shall be of any colour except Yellow, Orange, Red or Blue.

The intent of this requirement is to ensure case colours are not those commonly reserved for other roles, or are unnecessarily vibrant. Preferred colours include black and olive drab.

3.2 CASE CONTENTS

The intent of this section is to detail the minimum ancillary equipment for each Portal Monitor.

3.2.1 Each Portal Monitor Kit shall contain, in addition to the Portal Monitor, the following items as a minimum, in a secure manner:

a. A laminated bilingual (English / French) quick-reference card detailing basic setup and operating instructions;

b. A bilingual (English / French) operating manual detailing: advanced operating instructions, menu options / modification, configuration, system maintenance, data download instructions, and fault diagnosis for the Portal Monitor;

It is not a requirement to produce DND specification manuals.

c. A laminated bilingual (English / French) Kit checklist detailing the contents to be contained within the Kit;

d. If consumable batteries are employed, two complete sets of spare consumable batteries;

e. If rechargeable batteries are employed, two complete sets of spare rechargeable batteries;

f. Any tools required to setup, maintain or operate the Portal Monitor;

g. Any interface equipment, software and cables required to configure the Portal Monitor; and

The intent of this requirement is to ensure that, if a notebook computer is required to access any function of the Portal Monitor, it is included within the Kit along with any associated cables, software, etc.

h. A check source, sufficient to provide a suitable response but below levels that require CNSC regulation and licensing.

The intent of the check source is to provide a means to the user to confirm the Portal Monitor is functioning correctly.

3.2.2 All case contents shall not require special measures for handling, storage or transport by any mode.

The intent of this requirement is to ensure the Kit is exempt from all conditions regarding the Transportation of Dangerous Goods.