

**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 PROPOSAL
DEMANDE DE PROPOSITION****Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires**Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur****Issuing Office - Bureau de distribution**

Scientific, Medical and Photographic Division / Division de l'équipement scientifique, des produits photographiques et pharmaceutiques
11 Laurier St./ 11 rue, Laurier
6B1, Place du Portage
Gatineau, Québec K1A 0S5

| | |
|--|--|
| Title - Sujet SECURITY SCREENING X-RAY DEVICE | |
| Solicitation No. - N° de l'invitation 45045-130114/A | Date 2014-01-15 |
| Client Reference No. - N° de référence du client 000002232 | |
| GETS Reference No. - N° de référence de SEAG PW-\$\$PV-916-64154 | |
| File No. - N° de dossier pv916.45045-130114 | CCC No./N° CCC - FMS No./N° VME |
| Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-01-22 | |
| Time Zone Fuseau horaire Eastern Standard Time EST | |
| F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/> | |
| Address Enquiries to: - Adresser toutes questions à: Emond, Linda A. | Buyer Id - Id de l'acheteur pv916 |
| Telephone No. - N° de téléphone (819) 956-4014 () | FAX No. - N° de FAX (819) 956-3814 |
| Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: STATISTICS CANADA RECEIVING AT JEAN TALON BLDG LOADING DOCK PARKDALE AVE OTTAWA Ontario K1A0T6 Canada | |

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 |


| <div>  <div>Public Works and Government Services Canada</div> </div> | | Travaux publics et Services gouvernementaux Canada | | Document No.45045-130114/A | | Part - Partie 1 of - de 2 | |
|---|--------------------------|---|-----------------------|---|----------------------|---|------------------------------|
| | | | | See Part 2 for Clauses and Conditions Voir Partie 2 pour Clauses et Conditions | | | |
| Item Article | Description | Dest. Code Dest. | Inv. Code Fact. | Qty Qté | U. of I. U. de D. | Unit Price/Prix unitaire FOB/FAM Destination Plant/Usine | Del. Offered Liv. offerte |
| 1 | Security screening x ray | 45048 | I - I | 1 | Each | \$ | See Herein |

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Solicitation No. - N° de l'invitation

45045-130114/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pv916

Client Ref. No. - N° de réf. du client

000002232

File No. - N° du dossier

pv91645045-130114

CCC No./N° CCC - FMS No/ N° VME

List of Annexes:

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with this bid solicitation.

2. Requirement

The requirement is detailed under the Annex A.

2.1 Optional Requirement

The Contractor grants to Canada the irrevocable option to purchase an **additional units** and an extended warranty under the same terms and conditions and at the prices stated in the contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

3. Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days
Insert: ninety (90) days

1.1 SACC Manual Clauses

B1000T

Condition of Material

2007-11-30

2. Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

4. Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in the province of Ontario, Canada.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

Canada requests that bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (two (2) copies)
Section II: Financial Bid (one (1) copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement

(<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

1.1 Section I: Technical Bid

The following applies to the Requirement and bidders must provide the following information in the bid where applicable:

1.1.1 Installation

On-site installation must be provided and be carried out by a qualified service technician.

Installation must be completed within **two weeks** of the delivery

Comply Yes _____ or No _____

1.1.2 Training

On-site user training must be provided for up to ten (10) users. All costs associated with the on-site training must be included in the price.

On-site training will be completed within _____ calendar days of installation. Provide complete details of training e.g. duration, scope, etc.,

1.1.3 Product(s) Offered

The Bidder must indicate the make and model number of the products offered (identify specific components which make up the system):

Name of Manufacturer: _____

Model/Part Number: _____

Literature attached: Yes (____) No (____)

1.1.4 Point of Manufacture/Shipping

The Bidder must state the point of manufacture/shipping of goods or where service is to be performed:

Location: _____

Postal Code: _____

1.1.5 Delivery

Delivery, installation and training must be completed before **March 31, 2014**, the best date that could be offered by the Bidder is _____.

1.1.6 Contacts

Bidders are requested to provide the following: Information pertaining to Article 5.3 Contractor Representatives under Part 6, Resulting Contract Clauses.

1.2 Section II: Financial Bid

The bidder must quote a firm lot price all inclusive of supply, installation, training and manuals , DDP (Ottawa, Ontario), the total amount of applicable taxes must be shown separately. Freight charges to destination and all applicable Customs duties and Excise taxes must be included.

A firm unit price must be filled in for each of the option periods. If the bidder fails to quote a firm unit price for each of the option periods, the bidder will be considered non-compliant and no further consideration will be given.

1.2.1 Exchange Rate Fluctuation

C3011T

Exchange Rate Fluctuation

2010-01-11

1.3 Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

1.1 Technical Evaluation

All proposals submitted must be completed in full and provide all of the information requested in the Request for Proposal (RFP) package to enable a full and complete evaluation. If the requirement is not addressed in the bidder's proposal, the proposal will be considered incomplete or non-responsive and will be rejected. The onus is on the bidder to provide all the information necessary to ensure a complete and accurate assessment.

Factors for Evaluation

1. **PRICING BASIS (MANDATORY):** Prices must be firm, DDP Delivered Duty Paid.
 2. **ABILITY TO MEET THE TECHNICAL REQUIREMENT (MANDATORY):**
 - a) **For Items Defined by Specifications:**

The bidder is requested to cross reference the mandatory technical criteria contained herein to their supporting technical documentation.
 - b) **Provision of Supporting Technical Documentation:**

Supporting technical documentation for the stores offered must be provided with the bid at time of bid closing.

Technical brochures or technical data **MUST** be provided to verify compliancy to the technical mandatory specifications.
 3. **COMPLIANCE WITH THE TERMS AND CONDITIONS OF THIS REQUEST FOR PROPOSAL (MANDATORY)**
 4. Please note that the requirements of the Federal Contractors Program for Employment Equity may apply - (see Part 5).
 5. Health Canada - Radiation Emitting Devices (RED) Regulations, Schedule II, Part IV, Baggage Inspection X-Ray Devices (photocopy of certificate will suffice)
- Comply Yes _____ or No _____**
6. CDRH (Center for Devices and Radiological Health) Standards for Cabinet X-ray Systems (21 CFR subchapter J 1020.40 (photocopy of certificate will suffice)

Comply Yes _____ or No _____

1.1.1 Mandatory Technical Criteria

As per Annex A

1.2 Financial Evaluation

The lowest evaluated price will be established using the following criteria:

- a) prices will be evaluated in Canadian Funds including Excise Taxes, Canadian Customs Duty (if applicable) and applicable taxes excluded. For evaluation purposes, bids received in a foreign currency will be converted to Canadian funds using the appropriate rate of exchange using the rate quoted by the Bank of Canada as being in effect on date of bid closing.
- b) prices will be evaluated on a DDP Ottawa, Ontario
- c) for bid evaluation purposes only, the total bid price will be determined by adding the cost for the firm quantity total with the cost for the optional quantitie and the extended warrranry.

2. Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest aggregate evaluated price (including the option items and maintenance) will be recommended for award of a contract.

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and related documentation to be awarded a contract. Canada will declare a bid non-responsive if the required certifications and related documentation are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications, to provide the related documentation or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

- 1.1.1 By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

2. Additional Certifications Required with the Bid

Bidders must submit the following duly completed certifications with their bid.

2.1 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "[FCP Limited Eligibility to Bid](http://www.hrsdc.gc.ca/eng/labour/index.shtml)" list (<http://www.hrsdc.gc.ca/eng/labour/index.shtml>) available from [Human Resources and Skills Development Canada \(HRSDC\)](http://www.hrsdc.gc.ca/eng/labour/index.shtml) - Labour's website.

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](http://www.hrsdc.gc.ca/eng/labour/index.shtml)" list at the time of contract award.

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement applicable to this contract.

2. Requirement

2.1 Requirement

The Contractor must provide the items detailed under the Annex A.

2.2 Optional Requirement

The Contractor grants to Canada the irrevocable option to purchase one (1) additional units and the extended warranty described at Annex A of the Contract under the same terms and conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option to purchase the additional unit within twenty-four (24) months after contract award by sending a written notice to the Contractor.

2.3 Installation

On-site installation must be provided and be carried out by a qualified service technician.

Installation must be completed within **two weeks** of the delivery

Comply Yes _____ or No _____

2.4 Manuals

One complete set of user documentation in English and/or French must be supplied.

2.5 Training

On-site user training must be provided for up to ten (10) users.

3. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the

Standard Acquisition Clauses and Conditions Manual

(<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

3.1 General Conditions

2010A (2013-04-25) General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

4. Term of Contract

4.1 Delivery Date

Delivery, installation and training must be completed before **March 31, 2014**

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Linda Emond
Public Works and Government Services Canada
Acquisitions Branch
Commercial Consumer Products Directorate
11 Laurier Street, 6A2, Phase III
Place du Portage, Gatineau, Quebec, K1A 0S5
Telephone: (819) 956-4014

Facsimile: (819) 956-3814
 E-mail address: linda.emond@pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

5.2 Technical Authority **(to be filled in only at contract award)**

The Technical Authority for the Contract is:

Name: _____
 Telephone: (____) _____
 Facsimile: (____) _____
 E-mail address: _____

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

5.3 Contractor's Representative **(fill in)**

The telephone number of the person responsible for:

General enquiries

Name: _____
 Telephone No. _____
 Facsimile No. _____
 E-mail address: _____

Delivery Follow-up

Name: _____
 Telephone No. _____
 Facsimile No. _____
 E-mail address: _____

6. Payment

6.1 Basis of Payment - Firm Price

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm lot price(s)", as specified in Annex A for a cost of \$ _____ **(to be filled in only at contract award)**. Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.2 SACC Manual Clauses

C2608C Canadian Customs Documentation
H1000C Single Payment

2012-07-06
2008-05-12

7. Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - (a) The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
 - (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.
 - (c) one (1) copy must be forwarded to the consignee.

8. Certifications

8.1 Compliance

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

8.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and HRSDC-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "FCP Limited Eligibility to Bid" list. The imposition of such a sanction by HRSDC will constitute the Contractor in default as per the terms of the Contract.

9. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in the province of Ontario, Canada.

10. Priority of Documents

If there is a discrepancy between the wordings of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) 2010A (2013-04-25) General Conditions - Goods (Medium Complexity);
- (c) Requirement;
- (d) the Contractor's bid dated (to be filled in at contract award) .

11. SACC Manual clause

| | | |
|--------|---|------------|
| B1501C | Electrical Equipment | 2006-06-16 |
| A9068C | Government Site Regulations | 2010-01-11 |
| A2000C | Foreign Nationals (Canadian Contractor) | 2006-06-16 |
| A2001C | Foreign Nationals (Foreign Contractor) | 2006-06-16 |

12. Shipping Instructions - Delivery at Destination

1. Goods must be consigned to the destination specified in the Contract and delivered:

Delivered Duty Paid (DDP) Ottawa, Ontario Incoterms 2000 for shipments from a commercial contractor.
2. The Contractor will be responsible for all delivery charges, administration, costs and risk of transport and customs clearance, including the payment of customs duties and taxes.

ANNEX A**REQUIREMENT / BASIS OF PAYMENT**

Statistics Canada has a requirement for one (1) Security Screening X-Ray Device (SSXD) included installation, training, and manuals, DDP (Ottawa, Ontario), in accordance with the Mandatory Specifications at Annex "B".

| Description | Firm Qty | Firm unit price |
|--|----------|-----------------|
| Security Screening X-Ray Device (SSXD) Mandatory Specifications detailed at Annex "B", included one (1) year warranty, the original warranty will start from the date of delivery and acceptance. | 1 | \$_____ |

Option to purchase Extended maintenance warranty on a firm quantity

A survey per year on the x-ray machine is mandatory by Health Canada. (A survey is a test to make sure no radiation are coming out of the machine, all parts and labor must be included.

The Contractor hereby grants to Canada an irrevocable option to purchase an additional five, one (1) year warranty agreements under the same terms and conditions as set out in any resulting contract. Exercise of this option must be by written notice from Canada. Canada may exercise this option at any time after award of a contract up to and including the expiry date of the original one year warranty period or the expiry date of the option year already exercised.

Bidders MUST provide a firm yearly quote for the five additional one year periods in order to be considered responsive.

These option years will commence after initial one year warranty/service period expires.

Option Year 1 - Warranty/maintenance agreement covering all aspects identified above:

Firm Lot Price \$_____ / year one

Option Year 2 - Warranty/maintenance agreement covering all aspects identified above:

Firm Lot Price \$_____ / year two.

Option Year 3 - Warranty/maintenance agreement covering all aspects identified above:

Firm Lot Price \$_____ / year three.

Option Year 4 - Warranty/maintenance agreement covering all aspects identified above:

Firm Lot Price \$_____ / year four.

Option Year 5 - Warranty/maintenance agreement covering all aspects identified above:

Firm Lot Price \$_____ / year five.

Optional Requirement

The Contracting Authority may exercise the option to purchase the additional unit within twenty-four (24) months after contract award by sending a written notice to the Contractor.

| Description | Qty | Firm unit price |
|---|-----|-----------------|
| Security Screening X-Ray Device (SSXD) Mandatory Specifications detailed at Annex "B", included one (1) year warranty, the original warranty will start from the date of delivery and acceptance. | 1 | \$ _____ |

Option to purchase Extended maintenance warranty for the additional unit.

A survey per year on the x-ray machine is mandatory by Health Canada. (A survey is a test to make sure no radiation are coming out of the machine, all parts and labor must be included.

The Contractor hereby grants to Canada an irrevocable option to purchase an additional five, one (1) year warranty agreements under the same terms and conditions as set out in any resulting contract. Exercise of this option must be by written notice from Canada. Canada may exercise this option at any time after award of a contract up to and including the expiry date of the original one year warranty period or the expiry date of the option year already exercised.

Bidders MUST provide a firm yearly quote for the five additional one year periods in order to be considered responsive.

These option years will commence after initial one year warranty/service period expires.

Option Year 1 - Warranty/maintenance agreement covering all aspects identified above:

Firm Lot Price \$ _____ / year one

Option Year 2 - Warranty/maintenance agreement covering all aspects identified above:

Firm Lot Price \$ _____ / year two.

Option Year 3 - Warranty/maintenance agreement covering all aspects identified above:

Firm Lot Price \$ _____ / year three.

Option Year 4 - Warranty/maintenance agreement covering all aspects identified above:

Firm Lot Price \$ _____ / year four.

Option Year 5 - Warranty/maintenance agreement covering all aspects identified above:

Firm Lot Price \$ _____ / year five.

ANNEX B

MANDATORY SPECIFICATIONS

Security Screening X-Ray Device

Vendors must cross reference the mandatory technical criteria in a concise format by using page, paragraph(s) & sub-paragraphs as applicable to their supporting technical documentation.

1. DESIGN

- 1.1 The system must be capable of producing clear and contrasted images of the components and contents of target objects using non-intrusive multi energy X-ray imaging technique. Standard color coding for organic, inorganic and metallic materials must be incorporated when processed image is displayed on the screen. Minimum requirement is for a dual energy transmission X-ray system.

Reference in Contractors Proposal: _____

- 1.2 The system must be able to display organic material threats, such as drugs and plastic explosives, conventional metallic threats, such as guns and knives, and composite weapons in a parcel even when clutter is present.

Reference in Contractors Proposal: _____

- 1.3 The system must be a dual energy x-ray source operating voltage of 140 keV minimum.

Reference in Contractors Proposal: _____

- 1.4 The system must use two x-ray sources, one source must be oriented vertically upwards, and one must be oriented diagonally upwards.

Reference in Contractors Proposal: _____

2. PHYSICAL SPECIFICATIONS

2.1 SSXD Overall Dimensions and Tunnel Width / Height / Weight

2.1.1 The overall SSXD system footprint dimensions must not exceed:

- a. Length: 284.48 cm (112 inches) including shrouds
- b. Width: 137.16 cm (55 inches) including keyboard

Reference in Contractors Proposal: _____

2.1.2 Weight limit and height

- a. The SSXD system conveyor belt height must be lower than 69 cm (27.17 inches)
- b. The conveyor weight capacity must be at least (200 lbs) distributed.

Reference in Contractors Proposal: _____

2.1.3 Tunnel dimensions

- a. The SSXD system tunnel size must be at least 24 in. (W) X 16 in (H) and no more than 30 in. (W) and 17 in. (H).

Reference in Contractors Proposal: _____

2.1.4 The system must be able to produce two images that are displayed simultaneously on two (at least 19 inches) LCD monitors

Reference in Contractors Proposal: _____

3 SYSTEM PERFORMANCE CRITERIA

3.1 The system must have an uninterrupted power supply (UPS) unit to prevent instabilities in the local main power and to assure system reliability and performance.

Reference in Contractors Proposal: _____

3.2 The system must be able to X-ray both forward and in reverse.

Reference in Contractors Proposal: _____

3.3 The system must be capable of being operational within fifteen minutes of startup, assuming daily use.

Reference in Contractors Proposal: _____

3.4 The system must be able to provide a transmission image resolution of **40 AWG** or better and penetration must be 30 mm or better as measured with the **ANSI42.44-2008** for the Performance of Checkpoint Cabinet X-Ray Imaging Security Systems.

Reference in Contractors Proposal: _____

3.5 The system must be able to display the visible differentiation between organic and inorganic materials.

Reference in Contractors Proposal: _____

4 SOFTWARE

4.1 The system must have the capability to control and adjust the image contrast and Brightness.

Reference in Contractors Proposal: _____

- 4.2 The system must be able to display the transmission image in both dual-energy color and black.

Reference in Contractors Proposal: _____

- 4.3 The system must have the capability to strip organics and metallic from the dual-energy transmission image.

Reference in Contractors Proposal: _____

- 4.4 The system must be able to continuously zoom the image to 16x.

Reference in Contractors Proposal: _____

- 4.5 The system must be able to frame objects in the image through which x-rays do not penetrate.

Reference in Contractors Proposal: _____

- 4.6 The system must be capable to export images into .TIF, .BMP, .PNG or .JPEG formatted files.

Reference in Contractors Proposal: _____

- 4.7 The system must have a TIP option (Threat Image Projection) that projects TIP images into both x-ray images.

Reference in Contractors Proposal: _____**Glossary**

SSDX = Security Screening X-Ray Device

RED = Radiation Emitting Devices

CDRH = Center for Devices and Radiological Health

AWG = American Wire Gauge

ANSI = American National Standards Institute

TIP = Threat Image Projection

UPS = Uninterrupted power supply

KEV = Kiloelectronvolt-unit of energy

Solicitation No. - N° de l'invitation

45045-130114/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pv916

Client Ref. No. - N° de réf. du client

000002232

File No. - N° du dossier

pv91645045-130114

CCC No./N° CCC - FMS No/ N° VME

ANNEX C

COMPLETE LIST OF AFFILIATES (As per Standard Instructions, Clauses and Conditions Part 2)

Name _____ Position _____

Name _____ Position _____

Name _____ Position _____

Name _____ Position _____