



**BIDS AND AWARDS COMMITTEE**

**SUPPLEMENTAL/BID BULLETIN**

**ADDENDUM NO. 1**

**SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF TEN (10) BRAND NEW UNITS OF FIXED BAGGAGE X-RAY MACHINE WITH ENCLOSURES; SEVEN (7) BRAND NEW UNITS OF HAND-CARRIED BAGGAGE X-RAY MACHINE; AND TWO (2) BRAND NEW UNITS OF MOBILE X-RAY MACHINE**

This Addendum No. 1 dated 23 May 2017 is issued to clarify, modify or amend items in the Bid Documents. This shall form an integral part of the Bid Documents.

| ISSUES   | CLARIFICATION/AMENDMENTS   |
|--|--|
| <p><b>Section III. Bid Data Sheet</b></p> <p>5.4 The bidder must have completed, five (5) years prior to May 30, 2017, a single contract that is similar to the project at hand and whose value must be at least fifty percent (50%) of the ABC to be bid. Such contract must be part of, or included in, the Statement under Item 12.1(a)(ii) hereof.</p> <p>Bidders shall include in their Bid a photocopy of the following supporting documents:</p> <ol style="list-style-type: none"> <li>1. Single Largest Completed Contract;</li> <li>2. Notice of Award (NOA);</li> <li>3. Notice to Proceed (NTP); and</li> <li>4. Technical Inspection and Acceptance Committee (TIAC) Report or Certificate of Final Acceptance Report or equivalent in the Private Sector.</li> </ol> <p>Failure to submit a copy of Single Largest Completed Contract with proof of Completion or a failure against the veracity of such shall be a ground for disqualification of the bidder for award and forfeiture of the bid security.</p> <p>For this purpose, similar contract shall refer to Procurement of Cargo X-ray Machines, Supply and Delivery of Cargo X-ray Machines or</p> | <p><b>Section III. Bid Data Sheet</b></p> <p>5.4 The bidder must have completed, five (5) years prior to May 30, 2017, a single contract that is similar to the project at hand and whose value must be at least fifty percent (50%) of the ABC to be bid. Such contract must be part of, or included in, the Statement under Item 12.1(a)(ii) hereof.</p> <p><b>Bidders shall include in their Bid a photocopy of Single Largest Completed Contract and the corresponding proof of completion, such as (i) Certificate of Final Acceptance or Completion from the bidder's client; or (ii) Official Receipt issued by the bidder.</b></p> <p>Failure to submit a copy of Single Largest Completed Contract with proof of Completion or failure to <b>prove</b> the veracity of such shall be a ground for disqualification of the bidder for award and forfeiture of the bid security.</p> <p>For this purpose, similar contract shall refer to Procurement of Cargo X-ray Machines, Supply and Delivery of Cargo X-ray Machines or Supply, Delivery, Installation and Commissioning of Cargo X-ray Machines.</p> |



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF FINANCE  
**BUREAU OF CUSTOMS**  
Manila 1099

Supply, Delivery, Installation and Commissioning of Cargo X-ray Machines.

**12.1 (a) Eligibility Documents**

**Class "A" Documents:**

1. PhilGEPS Certificate of Registration and Membership;
2. Statement or list of all ongoing Government and Private Contracts including contracts awarded but not yet started;
3. Statement of Single Largest Completed Contract (SLCC) which is similar to the contract to be bid, and at least 50% of the ABC; and
4. Net Financial Contracting Capacity (NFCC) computation in accordance with ITB Clause 5.5 or a committed Line of Credit (CLC) from a Universal or Commercial Bank.

**NOTE:** The values of the bidder's current assets and current liabilities shall be based on the latest Financial Statements submitted to the BIR.

**Technical Documents:**

1. Bid Security in accordance with ITB Clause 18;
2. Conformity with Sections VI and VII of the Bidding Documents;
3. Omnibus Sworn Statement; and
4. Proof of authority of the authorized representative.

**Project Specific Eligibility/ Additional Requirements:**

1. Health and Safety Compliance Certificate from the Manufacturer;

**12.1 (a) Eligibility Documents**

**Class "A" Documents:**

1. PhilGEPS Certificate of Registration and Membership;
2. Statement or list of all ongoing Government and Private Contracts including contracts awarded but not yet started;
3. Statement of Single Largest Completed Contract (SLCC) which is similar to the contract to be bid, and at least 50% of the ABC; and
4. Net Financial Contracting Capacity (NFCC) computation in accordance with ITB Clause 5.5 or a committed Line of Credit (CLC) from a Universal or Commercial Bank.

**NOTE:** The values of the bidder's current assets and current liabilities shall be based on the latest Financial Statements submitted to the BIR.

**Technical Documents:**

1. Bid Security in accordance with ITB Clause 18;
2. Conformity with Sections VI and VII of the Bidding Documents;
3. Omnibus Sworn Statement; and
4. Proof of authority of the authorized representative.

**Project Specific Eligibility/ Additional Requirements:**

1. Health and Safety Compliance Certificate from the Manufacturer;



REPUBLIC OF THE PHILIPPINES  
 DEPARTMENT OF FINANCE  
**BUREAU OF CUSTOMS**  
 Manila 1099

|   |  |
|---|--|
| <ol style="list-style-type: none"> <li>2. Original Equipment Manufacturer (OEM) certifications for the goods to be procured;</li> <li>3. Certificate of Distributorship from the manufacturer;</li> <li>4. Certification that the equipment being offered could be supported for at least five (5) years in terms of spare parts availability and service;</li> <li>5. Certification that parts of the equipment are readily available with the distributor in the Philippines; and</li> <li>6. Copy of the brochure(s) of the machine/equipment being offered.</li> </ol>                                    | <ol style="list-style-type: none"> <li>2. Original Equipment Manufacturer (OEM) certifications for the goods to be procured;</li> <li>3. Certificate of Distributorship from the manufacturer;</li> <li>4. Certification that the equipment being offered could be supported for at least five (5) years in terms of spare parts availability and service;</li> <li>5. Certification that parts of the equipment are readily available with the distributor in the Philippines;</li> <li>6. <b>Certificate of training from the manufacturer of the service engineers or technicians;</b></li> <li>7. <b>Certification of Duly Authorized Local Service Center;</b></li> <li>8. <b>Proof of concept of After Sales Service Support System, e.g. screenshots of the features of the system; and</b></li> <li>9. Copy of the brochure(s) of the machine/equipment being offered.</li> </ol> <p><b>Please see attached revised Checklist of Requirements.</b></p> |
| <p>29.2 Within a non-extendible period of five (5) calendar days from receipt by the bidder of the notice from the BOC-BAC that it submitted the Lowest Calculated Bid, the bidder shall submit the following documentary requirements to the BOC-BAC Secretariat:</p> <ol style="list-style-type: none"> <li>1. 2016 Income Tax Return with proof of payment;</li> <li>2. VAT Returns (Form 2550M and 2550Q) or Percentage Tax Returns (2551M) with proof of payment covering the months from October 2016 to March 2017; and</li> <li>3. Other appropriate licenses and permits required by law.</li> </ol> | <p>29.2 Within a non-extendible period of five (5) calendar days from receipt by the bidder of the notice from the BOC-BAC that it submitted the Lowest Calculated Bid, the bidder shall submit the following documentary requirements to the BOC-BAC Secretariat:</p> <ol style="list-style-type: none"> <li>1. 2016 Income Tax Return with proof of payment;</li> <li>2. VAT Returns (Form 2550M and 2550Q) or Percentage Tax Returns (2551M) with proof of payment covering the months from October 2016 to March 2017;</li> <li>3. Other appropriate licenses and permits required by law; and</li> <li>4. <b>Actual presentation of After Sales Service Support System.</b></li> </ol>  |



|   |   |
|---|---|
| <p>Failure to submit the above requirements on time or a finding against the veracity of such shall be grounds for disqualification of the bidder and the subsequent forfeiture of the bid security.</p>  | <p>Failure to submit the above requirements on time or failure to <b>prove</b> the veracity of such shall be grounds for disqualification of the bidder and the subsequent forfeiture of the bid security.</p>  |
| <p><b>Section VII. Technical Specifications</b></p> <ol style="list-style-type: none"> <li>1. Have independent legal existence as a validity registered company engaged in the supply and installation of security screening equipment for at least five (5) years.</li> <li>2. Must be a certified distributor of the security screening equipment to be supplied under the contract being offered.</li> <li>5. <b>Track record (in years) in the supply and installation of security screening equipment.</b><br/><br/>Minimum of five (5) years track record in the supply and installation of security screening equipment in the Philippines.</li> <li>7. Bidders should have a system based after sales support facilities (Command Center).</li> </ol> | <p><b>Section VII. Technical Specifications</b></p> <p>Have independent legal existence as a <b>validly</b> registered company engaged in the supply and installation of <b>cargo x-ray machines</b> for at least five (5) years.</p> <p>Must be a certified distributor of the <b>cargo x-ray machines</b> to be supplied under the contract being offered.</p> <p><del>Track record (in years) in the supply and installation of security screening equipment.</del></p> <p><del>Minimum of five (5) years track record in the supply and installation of security screening equipment in the Philippines.</del></p> <p><b>Bidders must have an existing After Sales Service Support System which provides:</b></p> <ol style="list-style-type: none"> <li>a. <b>Web-based – Accessible from anywhere with a browser, works on smartphones and tablets.</b></li> <li>b. <b>Assign default technical support agent for each service related request from the client.</b></li> <li>c. <b>Ensure that parts are available for immediate deployment to reduce downtime.</b></li> <li>d. <b>Tracks the downtime of each service call when created and closed.</b></li> <li>e. <b>Service calls statistics can be transferred to and from the system for data updating and analysis.</b></li> </ol> |



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF FINANCE  
**BUREAU OF CUSTOMS**  
Manila 1099

|  |   |
|--|---|
| <p>9. Dual view X-Ray machine with dual-energy functions for materials discrimination. It should be designed to effectively eliminate the uncertainty caused by object or overlapping.</p> <p>10. Dual Monitor for Image Display: for vertical and horizontal display</p> <p>14. The X-Ray equipment must be included in the Transportation Security Administration (TSA) Qualified List and has undergone a formal TSA sponsored test process and is deemed qualified for screening operations and/or its European Equivalent Standard.</p> <p>27. The X-ray machine and PC shall be provided with corresponding Automatic Voltage Regulator (AVR). The operation of the machine shall not be affected in case of power interruption.</p> | <p>f. Quickly find service calls by keywords and filtering via date, user or company.</p> <p>g. Monitors preventive maintenance scheduled routine checks.</p> <p>h. Keep records and activities performed on each and every machine/equipment deployed.</p> <p>Dual view x-ray machine with dual-energy functions for materials discrimination. It should be designed to effectively eliminate the uncertainty in the identification of objects (<b>Fixed Baggage and Hand-Carried Baggage X-ray Machines</b>).</p> <p><b>Mobile X-ray Machine – Function of Design.</b></p> <p>Dual Monitor for Image Display: for vertical and horizontal display (<b>Dual View X-ray Machines</b>)</p> <p><b>Dual Monitor for Image Display: Black/White and Colored (Mobile X-ray Machines)</b></p> <p>The X-Ray equipment must be included in the Transportation Security Administration (TSA) Qualified List and has undergone a formal TSA sponsored test process and is deemed qualified for screening operations and/or its European Equivalent Standard. (<b>Fixed Baggage and Hand-Carried Baggage X-ray Machines</b>).</p> <p><b>Mobile X-ray Machine – Function of Design.</b></p> <p>The x-ray machine and PC shall be provided with corresponding <b>Uninterruptible Power Supply (UPS)</b>. The operation of the machine shall not be affected in case of power interruption.</p> |
|--|---|



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF FINANCE  
**BUREAU OF CUSTOMS**  
Manila 1099

|  |   |
|--|---|
| <p>32. The equipment must be DOH Certified (Radiation Protection and Safety Standard).</p> <p>43. <b>Computer</b><br/>Processor: Intel® Core i7<br/>Memory: At least 4 GB RAM<br/>Storage: 256 GB SSD for OS plus 1 TB Internal HDD (back-up)<br/>Video Card: At least 1 GB with Dual Digital Display<br/>Graphics Interface: SVGA Graphics Adapter with 256 MB Video RAM<br/>Operating System: Compatible to the latest OS<br/>Expansion Ports: Multiple USB Ports and DVD Drive<br/>Anti-Virus: Protected with Anti-Virus Software</p> <p>47. <b>Electrical</b><br/>Power requirements: Function of Design<br/>- With Uninterrupted Power Supply (UPS)<br/><br/>- Fitted with Main Power Switchboard securely installed inside workstation<br/><br/>- The enclosed workstation shall be fitted but not limited with standard lightings, air-conditioning unit, ventilation switches and outlets<br/><br/>- Fitted with standard radiation alarm system such as limited to blinker and public address.</p> <p>50. <b>Spare Parts:</b><br/>- Spare parts such as but not limited to:<br/>o Fuses<br/>o Switches<br/>o Breakers<br/>o Special wires<br/>o Bulbs<br/>o Dosimeter<br/>o Conveyor belt<br/>o Lead curtain<br/>o Lubricants</p> | <p><del>The equipment must be DOH Certified (Radiation Protection and Safety Standard).</del></p> <p><b>Computer</b><br/>Processor: Intel® Core i7<br/>Memory: At least 4 GB RAM<br/>Storage: 256 GB SSD for OS plus 1 TB Internal HDD (back-up)<br/>Video Card: At least 1 GB with Dual Digital Display<br/>Graphics Interface: SVGA Graphics Adapter with 256 MB Video RAM<br/>Operating System: Compatible to the latest OS<br/>Expansion Ports: Multiple USB Ports and DVD Drive<br/>Anti-Virus: Protected with Anti-Virus Software <b>or Function of Design</b></p> <p><b>Electrical</b><br/>Power requirements: Function of Design<br/>-With <b>Uninterruptible</b> Power Supply (UPS)<br/><br/>-Fitted with Main Power Switchboard securely installed inside workstation<br/><br/>-The enclosed workstation shall be fitted but not limited with standard lightings, air-conditioning unit, ventilation switches and outlets<br/><br/>-Fitted with standard radiation alarm system such as limited to blinker and public address.</p> <p><b>Spare Parts:</b><br/><del>— Spare parts such as but not limited to:</del><br/>o <del>Fuses</del><br/>o <del>Switches</del><br/>o <del>Breakers</del><br/>o <del>Special wires</del><br/>o <del>Bulbs</del><br/>o <del>Dosimeter</del><br/>o <del>Conveyor belt</del><br/>o <del>Lead curtain</del><br/>o <del>Lubricants</del></p> |
|--|---|





|  |   |
|--|---|
| <ul style="list-style-type: none"><li>○ Spare printer inks</li><li>○ Spare LCD monitor 24"</li></ul> <p><b>51. Enclosure</b></p> <p>Proposed design of supplier based on the locations of x-ray machines.</p> <p><b>58. Computer</b><br/>Processor: Intel® Core i7<br/>Memory: At least 4 GB RAM<br/>Storage: 256 GB SSD for OS plus 1 TB Internal HDD (back-up)<br/>Video Card: At least 1 GB with Dual Digital Display<br/>Graphics Interface: SVGA Graphics Adapter with 256 MB Video RAM<br/>Operating System: Compatible to the latest OS<br/>Expansion Ports: Multiple USB Ports and DVD Drive<br/>Anti-Virus: Protected with Anti-Virus Software</p> <p><b>62. Electrical</b><br/>Power requirements: Function of Design<br/>-With Uninterrupted Power Supply (UPS)</p> <p>-Fitted with Main Power Switchboard securely installed inside workstation</p> <p>-The enclosed workstation shall be fitted but not limited with standard lightings, air-conditioning unit, ventilation switches and outlets</p> <p>-Fitted with standard radiation alarm system such as limited to blinker and public address.</p> <p><b>65. Spare Parts:</b></p> <ul style="list-style-type: none"><li>- Spare parts such as but not limited to:<ul style="list-style-type: none"><li>○ Fuses</li><li>○ Switches</li><li>○ Breakers</li></ul></li></ul> | <ul style="list-style-type: none"><li>○ Spare printer inks</li><li>○ Spare LCD monitor 24"</li></ul> <p><b>Enclosure with air-conditioning units</b></p> <p>Proposed design of supplier based on the locations of x-ray machines (materials and design subject to end-user's approval during the implementation)</p> <p><b>Computer</b><br/>Processor: Intel® Core i7<br/>Memory: At least 4 GB RAM<br/>Storage: 256 GB SSD for OS plus 1 TB Internal HDD (back-up)<br/>Video Card: At least 1 GB with Dual Digital Display<br/>Graphics Interface: SVGA Graphics Adapter with 256 MB Video RAM<br/>Operating System: Compatible to the latest OS<br/>Expansion Ports: Multiple USB Ports and DVD Drive<br/>Anti-Virus: Protected with Anti-Virus Software or <b>Function of Design</b></p> <p><b>Electrical</b><br/>Power requirements: Function of Design<br/>-With <b>Uninterruptible</b> Power Supply (UPS)</p> <p>-Fitted with Main Power Switchboard securely installed inside workstation</p> <p>-The enclosed workstation shall be fitted but not limited with standard lightings, air-conditioning unit, ventilation switches and outlets</p> <p>-Fitted with standard radiation alarm system such as limited to blinker and public address.</p> <p><b>Spare Parts:</b></p> <ul style="list-style-type: none"><li>- Spare parts such as but not limited to:<ul style="list-style-type: none"><li>○ Fuses</li><li>○ Switches</li><li>○ Breakers</li></ul></li></ul> |
|--|---|



- Special wires
- Bulbs
- Dosimeter
- Conveyor belt
- Lead curtain
- Lubricants
- Spare printer inks
- Spare LCD monitor 24"

**Mobile X-ray Machines**

**70. Resolution and Sensitivity**

Wire Resolution: Function of Design

Spatial Resolution: Function of Design

Steel Penetration: At least 32mm standard and at least 37mm typical

Contrast Sensitivity: Function of Design

**72. Computer**

Processor: Intel® Core i7

Memory: At least 4 GB RAM

Storage: 256 GB SSD for OS plus 1 TB Internal HDD (back-up)

Video Card: At least 1 GB with Dual Digital Display

Graphics Interface: SVGA Graphics Adapter with 256 MB Video RAM

Operating System: Compatible to the latest OS

Expansion Ports: Multiple USB Ports and DVD Drive

Anti-Virus: Protected with Anti-Virus Software

**76. Electrical**

Power requirements: Function of Design

-With Uninterrupted Power Supply (UPS)

-Fitted with Main Power Switchboard securely installed inside workstation

-The enclosed workstation shall be fitted but not limited with standard lightings, air-conditioning unit, ventilation switches and outlets

- ~~Special wires~~
- ~~Bulbs~~
- ~~Dosimeter~~
- ~~Conveyor belt~~
- ~~Lead curtain~~
- ~~Lubricants~~
- ~~Spare printer inks~~
- ~~Spare LCD monitor 24"~~

**Mobile X-ray Machines**

**Resolution and Sensitivity**

Wire Resolution: Function of Design

Spatial Resolution: Function of Design

Steel Penetration: **Function of Design**

Contrast Sensitivity: Function of Design

**Computer**

Processor: Intel® Core i7

Memory: At least 4 GB RAM

Storage: 256 GB SSD for OS plus 1 TB Internal HDD (back-up)

Video Card: At least 1 GB with Dual Digital Display

Graphics Interface: SVGA Graphics Adapter with 256 MB Video RAM

Operating System: Compatible to the latest OS

Expansion Ports: Multiple USB Ports and DVD Drive

Anti-Virus: Protected with Anti-Virus Software **or Function of Design**

**Electrical**

Power requirements: Function of Design

-With **Uninterruptible** Power Supply (UPS)

-Fitted with Main Power Switchboard securely installed inside workstation

-The enclosed workstation shall be fitted but not limited with standard lightings, air-conditioning unit, ventilation switches and outlets





REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF FINANCE  
**BUREAU OF CUSTOMS**  
Manila 1099

|   |  |
|---|--|
| <p>-Fitted with standard radiation alarm system such as limited to blinker and public address.</p> <p><b>79. Spare Parts:</b></p> <p>- Spare parts such as but not limited to:</p> <ul style="list-style-type: none"><li>○ Fuses</li><li>○ Switches</li><li>○ Breakers</li><li>○ Special wires</li><li>○ Bulbs</li><li>○ Dosimeter</li><li>○ Conveyor belt</li><li>○ Lead curtain</li><li>○ Lubricants</li><li>○ Spare printer inks</li><li>○ Spare LCD monitor 24"</li></ul> | <p>-Fitted with standard radiation alarm system such as limited to blinker and public address.</p> <p><b>Spare Parts:</b></p> <p>- Spare parts such as but not limited to:</p> <ul style="list-style-type: none"><li>○ Fuses</li><li>○ Switches</li><li>○ Breakers</li><li>○ Special wires</li><li>○ Bulbs</li><li>○ Dosimeter</li><li>○ Conveyor belt</li><li>○ Lead curtain</li><li>○ Lubricants</li><li>○ Spare printer inks</li><li>○ Spare LCD monitor 24"</li></ul> <p><b>Please see attached revised Section VII. Technical Specifications.</b></p> |
|---|--|

**Reminders:**

- Submission of bids will be on or before 30 May 2017, Tuesday 10:00 AM
- Bidders shall sign and initial all pages of the bid.
- Late submission will not be accepted.

**Attachment/s:** As stated

For guidance and information of all concerned.

  
**HENRY ANTHONY M. TORRES**  
Chairperson, BOC-BAC

## *Section VII. Technical Specifications*

### STATEMENT OF COMPLIANCE TO TECHNICAL SPECIFICATIONS

#### A. INSTRUCTION:

The bidder must state in the last column opposite each parameter and required specifications either “**Comply**” or “**Not Comply**”. All pages shall be properly signed. Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause above goods manufactured by us.

| ITEM  | SPECIFICATIONS   | STATEMENT<br>OF<br>COMPLIANCE |
|---|--|-------------------------------|
| <b>QUALIFICATIONS OF BIDDER – TECHNICAL EVALUATION CRITERIA</b> |  |                               |
| To be qualified for the bidding, the Bidder must:               |  |                               |
| 1.  | Have independent legal existence as a validly registered company engaged in the supply and installation of cargo x-ray machines for at least five (5) years.   |                               |
| 2.  | Must be a certified distributor of the cargo x-ray machines to be supplied under the contract being offered.   |                               |
| 3.  | <b>Manpower/Technical Capacity</b><br><br>Must have a minimum pool of five (5) employed qualified service engineers or technicians (with certificate of training from the manufacturer) that could perform the preventive and corrective maintenance for x-ray machines on-site at any given time. |                               |
| 4.  | <b>Product Capability</b><br><br>Equipment to be supplied should meet all the mandatory specifications of the x-ray machines.  |                               |

|   |  |  |
|---|--|--|
| 5.  | Have a local or in-country (Philippines) installation of x-ray Machines which should have the same brand with the equipment being offered.   |  |
| 6.  | <p>Bidders must have an existing After Sales Service Support System which provides:</p> <ul style="list-style-type: none"> <li>a. Web-based – Accessible from anywhere with a browser, works on smartphones and tablets.</li> <li>b. Assign default technical support agent for each service related request from the client.</li> <li>c. Ensure that parts are available for immediate deployment to reduce downtime.</li> <li>d. Tracks the downtime of each service call when created and closed.</li> <li>e. Service calls statistics can be transferred to and from the system for data updating and analysis.</li> <li>f. Quickly find service calls by keywords and filtering via date, user or company.</li> <li>g. Monitors preventive maintenance scheduled routine checks.</li> <li>h. Keep records and activities performed on each and every machine/equipment deployed.</li> </ul> |  |
| <p align="center"><b>CAPABILITIES AND PERFORMANCE REQUIREMENTS</b></p> <p>Following capabilities and performance shall be provided but not limited to the following requirements:</p> |  |  |
| 7.  | X-ray machine must be designed to meet the needs and applications of Customs facilities at the NAIA and Davao Passenger Terminals wherein high security and the total screening of large objects are required.   |  |
| 8.  | <p>Dual view x-ray machine with dual-energy functions for materials discrimination. It should be designed to effectively eliminate the uncertainty in the identification of objects (Fixed Baggage and Hand-Carried Baggage X-ray Machines).</p> <p>Mobile X-ray Machine – Function of Design.</p>   |  |
| 9.  | <p>Dual Monitor for Image Display: for vertical and horizontal display (Dual View X-ray Machines)</p> <p>Dual Monitor for Image Display: Black/White and Colored (Mobile X-ray Machines)</p>   |  |

|     |  |  |
|-----|--|--|
| 10. | The system must be capable to identify dense areas and apply the High penetration feature only to dense area of the bag.   |  |
| 11. | The system must have the ability to archive images on a Removable Hard Drive.  |  |
| 12. | <p>The system must be able to provide a function that automatically detects organic substances with relative atomic numbers one after another or highlighting a region or the system that may display organic substances in orange color.</p> <p>Upon identifying such materials, the system should be capable of categorizing these materials to either be a possible: (a) Explosives; (b) Narcotics; (c) High Densities with different visual alarm to alert the operator.</p> |  |
| 13. | Threat Image Projection (TIP): The system shall also be capable of automatic projection of threat images to enhance the alertness of the system operators.   |  |
| 14. | <p>The X-Ray equipment must be included in the Transportation Security Administration (TSA) Qualified List and has undergone a formal TSA sponsored test process and is deemed qualified for screening operations and/or its European Equivalent Standard. (Fixed Baggage and Hand-Carried Baggage X-ray Machines).</p> <p>Mobile X-ray Machine – Function of Design.</p>  |  |
| 15. | <p>Must have an image management function, capable of auto-saving, copying and printing images or files.</p> <p>Must have an inbuilt hardware component for networking, for transmitting or archiving images to central PC/server for future requirement.</p>  |  |
| 16. | The equipment must be equipped with on-line 5KVA Uninterruptible Power Supply (UPS) running the system for thirty (30) minutes minimum. The load capacity should be capable of running the whole system (i.e., X-ray machine and other accessories) for thirty minutes.  |  |
| 17. | Enhances operator's ability to achieve optimal material identification/detection for potential security threats with increased accuracy and speed.   |  |
| 18. | The machine's feature must allow the user to monitor its material conditions for maintenance purposes and to attain longer service life.   |  |

|  |  |  |
|--|--|--|
| 19.  | Capable of discriminating between organic and inorganic materials.   |  |
| 20.  | The machine is equipped with safety features on sudden abnormal radiation emission.  |  |
| 21.  | <p><b>Other Requirements</b></p> <ul style="list-style-type: none"> <li>• Supply and delivery of the equipment shall also include flat in/out rollers and exit rollers, anti-radiation vest and heavy duty printer.</li> <li>• Supplier must be on call basis to respond and address trouble within 3 hours upon notification of the XIP unit-BOC to minimize the downtime.</li> <li>• Calibrations and preventive must be done at least on a quarterly or as needed during the warranty period.</li> <li>• Compliance to manufacturer's recommended testing and calibration.</li> <li>• Test equipment/combined test piece per unit is included.</li> <li>• Service Provider shall provide all other components/materials not mentioned above necessary to complete the project.</li> </ul> |  |
| <b>REQUIREMENTS FOR DESIGN, MANUFACTURE AND INSTALLATION</b> |  |  |
| 22.  | The X-ray machine shall be manufactured by a reliable manufacturer with expansive knowledge and innovation on X-Ray Technology to ensure quality, reliability and customer's satisfaction.   |  |
| 23.  | The machine shall have a feature that adopts top-of-the-line software and hardware technology.   |  |
| 24.  | The X-Ray machine shall be remotely operated by a workstation and securely mounted in areas that cannot be a cause of health hazard or irradiation to other personnel indirectly involved in the operation. The installation of the machine shall not disrupt and obstruct the accessibility of any vehicle or personnel working within the designated location. A standard size of concrete or steel bollard shall be fitted to safeguard the machine and the workstation against bumping and possible damage caused by operating vehicles and personnel.   |  |
| 25.  | The X-ray machine shall be designed to be powered by two (2) X-ray source generators.  |  |

|   |   |  |
|---|---|--|
| 26.   | The x-ray machine and PC shall be provided with corresponding Uninterruptible Power Supply (UPS). The operation of the machine shall not be affected in case of power interruption.   |  |
| 27.   | The X-ray machine shall be equipped with a temperature indicator/gauge for the operator to monitor the normal operating temperature of the machine.<br><br>Further, the X-ray machine shall withstand at least 6 hours continuous operations without overheating. |  |
| 28.   | After Sales Support (Certification of Duly Authorized Local Service Center) for the timely maintenance and repair of the machine shall be available locally.  |  |
| 29.   | A comprehensive training package (at least three (3) sessions on operation and maintenance) for customs personnel shall be provided to include operating and maintenance manuals.   |  |
| 30.   | Three (3) year warranty shall be provided for the repair and maintenance of the machine.  |  |
| <b>HEALTH AND SAFETY</b>                            |   |  |
| 31.   | Typical Radiation leakage should not be more than 0.1mR/hr  |  |
| 32.   | Provided with safety bollard (steel or concrete) to prevent the machine and workstation from damage (for fixed baggage x-ray machines).   |  |
| 33.   | Emergency shutdown button shall be properly installed at the machine and inside workstation immediately near the operator for emergency/safety purposes.  |  |
| 34.   | To avoid irradiation and accidental exposure, a stainless made collapsible conveyor gate / barrier (protective grill) shall be fitted on both sides of the conveyor (entrance/exit).  |  |
| <b>FIXED BAGGAGE X-RAY MACHINES WITH ENCLOSURES</b> |   |  |
| <b>Detailed Requirements:</b>                       |   |  |
| 35.   | <b>Tunnel Size:</b> The minimum tunnel size shall be 1000mm (W) x 1000mm (H)  |  |
| 36.   | <b>Dimensions:</b> Function of design (securely fit/mounted to the designated area)   |  |



|     |  |  |
|-----|--|--|
| 37. | <b>Net Weight:</b> Function of design  |  |
| 38. | <b>Conveyor System</b><br>Speed: (Function of design)<br>Designed for accurate detection and inspection in accordance with the international standard<br>Type: Sealed, Maintenance free drum<br>Height: In accordance with the existing area of installation (Function of design)<br>Capacity: Maximum of 200 kg (evenly distributed)  |  |
| 39. | <b>Resolution and Sensitivity</b><br>Wire Resolution: Function of Design<br>Spatial Resolution: Function of Design<br>Steel Penetration: At least 32mm standard and at least 37mm typical<br>Contrast Sensitivity: Function of Design  |  |
| 40. | <b>Generator</b><br>Voltage: Function of Design<br>Tube current: Function of Design<br>Cooling: Function of Design (appropriate cooling system to prevent overheating)<br>Duty Cycle: 100% duty cycle operation, No Warm-up Procedure Required<br>Beam Direction: Function of Design<br>Detection System: Function of Design   |  |
| 41. | <b>Computer</b><br>Processor: Intel® Core i7<br>Memory: At least 4 GB RAM<br>Storage: 256 GB SSD for OS plus 1 TB Internal HDD (back-up)<br>Video Card: At least 1 GB with Dual Digital Display<br>Graphics Interface: SVGA Graphics Adapter with 256 MB Video RAM<br>Operating System: Compatible to the latest OS<br>Expansion Ports: Multiple USB Ports and DVD Drive<br>Anti-Virus: Protected with Anti-Virus Software or Function of Design |  |

|     |   |  |
|-----|---|--|
| 42. | <p><b>Monitor</b></p> <p>Display Type: 2 x 24" units LCD Color Monitors<br/> Display Resolution: 1600 x 1200; 24 bit/pixel Color<br/> One (1) displays color imaging<br/> Enhanced organic material separation imaging<br/> Enhanced inorganic material separation imaging<br/> Black and white imaging<br/> Reverse black and white imaging<br/> Pseudo color imaging</p>  |  |
| 43. | <p><b>Printer</b></p> <p>heavy duty 3 in 1 colored printer</p>  |  |
| 44. | <p><b>Environmental</b></p> <p>Operating Temperature: Function of Design<br/> Storage Temperature: Function of Design<br/> Humidity: Function of Design</p>   |  |
| 45. | <p><b>Electrical</b></p> <p>Power requirements: Function of Design</p> <ul style="list-style-type: none"> <li>• With Uninterruptible Power Supply (UPS)</li> <li>• Fitted with Main Power Switchboard securely installed inside workstation</li> <li>• The enclosed workstation shall be fitted but not limited with standard lightings, air-conditioning unit, ventilation switches and outlets</li> <li>• Fitted with standard radiation alarm system such as limited to blinker and public address.</li> </ul> |  |
| 46. | <p><b>Integrated Logistics Support</b></p> <p>The supplier shall provide with but not limited to the following items:</p> <p>Climate Operating Kit<br/> Custom Paint<br/> Entry / Exit Roller Tables (50 cm Increments)<br/> Rubberized Floor mat for Operator (interlock)<br/> Heavy Duty Rubber Casters<br/> Radiation Dosimeter (for the machine)<br/> Remote Workstation Configuration<br/> Test Case<br/> Personal Dosimeter (User)<br/> External 3TB HDD (for volume image storage)</p>                     |  |

|  |  |  |
|--|--|--|
| 47.  | <p><b>Manuals:</b></p> <p>At least 2 copies of the following Manuals (1- Operator and 1-XIP Head Office):</p> <ul style="list-style-type: none"> <li>• Machine Operational Manuals</li> <li>• Machine Maintenance and Specification Manual</li> <li>• Safety Manual</li> </ul>   |  |
| 48.  | <p><b>Enclosure with air-conditioning units</b></p> <p>Proposed design of supplier based on the locations of x-ray machines (materials and design subject to end-user's approval during the implementation).</p>   |  |
| <b>HAND-CARRIED BAGGAGE X-RAY MACHINES</b> |  |  |
| <b>Detailed Requirements:</b>              |  |  |
| 49.  | <p><b>Tunnel Size:</b> The minimum tunnel size shall be 600mm (W) x 400mm (H)</p>  |  |
| 50.  | <p><b>Dimensions:</b> Function of design (securely fit/mounted to the designated area)</p>   |  |
| 51.  | <p><b>Net Weight:</b> Function of design</p>   |  |
| 52.  | <p><b>Conveyor System</b></p> <p>Speed: (Function of design)<br/> Designed for accurate detection and inspection in accordance with the international standard<br/> Type: Sealed, Maintenance free drum<br/> Height: In accordance with the existing area of installation (Function of design)<br/> Capacity: Maximum of 165 kg (evenly distributed)</p> |  |
| 53.  | <p><b>Resolution and Sensitivity</b></p> <p>Wire Resolution: Function of Design<br/> Spatial Resolution: Function of Design<br/> Steel Penetration: At least 32mm standard and at least 37mm typical<br/> Contrast Sensitivity: Function of Design</p>   |  |

|     |   |  |
|-----|---|--|
| 54. | <p><b>Generator</b></p> <p>Voltage: Function of Design<br/> Tube current: Function of Design<br/> Cooling: Function of Design (appropriate cooling system to prevent overheating)<br/> Duty Cycle: 100% duty cycle operation, No Warm-up Procedure Required<br/> Beam Direction: Function of Design<br/> Detection System: Function of Design</p>   |  |
| 55. | <p><b>Computer</b></p> <p>Processor: Intel® Core i7<br/> Memory: At least 4 GB RAM<br/> Storage: 256 GB SSD for OS plus 1 TB Internal HDD (back-up)<br/> Video Card: At least 1 GB with Dual Digital Display<br/> Graphics Interface: SVGA Graphics Adapter with 256 MB Video RAM<br/> Operating System: Compatible to the latest OS<br/> Expansion Ports: Multiple USB Ports and DVD Drive<br/> Anti-Virus: Protected with Anti-Virus Software or Function of Design</p> |  |
| 56. | <p><b>Monitor</b></p> <p>Display Type: 2 x 24" units LCD Color Monitors<br/> Display Resolution: 1600 x 1200; 24 bit/pixel Color</p> <ul style="list-style-type: none"> <li>• One (1) displays color imaging</li> <li>• Enhanced organic material separation imaging</li> <li>• Enhanced inorganic material separation imaging</li> <li>• Black and white imaging</li> <li>• Reverse black and white imaging</li> <li>• Pseudo color imaging</li> </ul>                   |  |
| 57. | <p><b>Printer</b></p> <p>heavy duty 3 in 1 colored printer</p>  |  |
| 58. | <p><b>Environmental</b></p> <p>Operating Temperature: Function of Design<br/> Storage Temperature: Function of Design<br/> Humidity: Function of Design</p>   |  |

|                               |  |  |
|-------------------------------|--|--|
| 59.                           | <p><b>Electrical</b></p> <p>Power requirements: Function of Design</p> <ul style="list-style-type: none"> <li>• With Uninterruptible Power Supply (UPS)</li> <li>• Fitted with Main Power Switchboard securely installed inside workstation</li> <li>• The enclosed workstation shall be fitted but not limited with standard lightings, air-conditioning unit, ventilation switches and outlets</li> <li>• Fitted with standard radiation alarm system such as limited to blinker and public address.</li> </ul>  |  |
| 60.                           | <p><b>Integrated Logistics Support</b></p> <p>The supplier shall provide with but not limited to the following items:</p> <ul style="list-style-type: none"> <li>• Climate Operating Kit</li> <li>• Custom Paint</li> <li>• Entry / Exit Roller Tables (50 cm Increments)</li> <li>• Rubberized Floor mat for Operator (interlock)</li> <li>• Heavy Duty Rubber Casters</li> <li>• Radiation Dosimeter (for the machine)</li> <li>• Remote Workstation Configuration</li> <li>• Test Case</li> <li>• Personal Dosimeter (User)</li> <li>• External 3TB HDD (for volume image storage)</li> </ul> |  |
| 61.                           | <p><b>Manuals:</b></p> <p>At least 2 copies of the following Manuals (1- Operator and 1-XIP Head Office):</p> <ul style="list-style-type: none"> <li>• Machine Operational Manuals</li> <li>• Machine Maintenance and Specification Manual</li> <li>• Safety Manual</li> </ul>   |  |
| <b>MOBILE X-RAY MACHINES</b>  |  |  |
| <b>Detailed Requirements:</b> |  |  |
| 62.                           | <p><b>Tunnel Size:</b> The minimum tunnel size shall be 1000mm (W) x 1000mm (H)</p>  |  |
| 63.                           | <p><b>Dimensions:</b> Function of design (securely fit/mounted to the designated area)</p>   |  |
| 64.                           | <p><b>Net Weight:</b> Function of design</p>   |  |

|     |   |  |
|-----|---|--|
| 65. | <p><b>Conveyor System</b></p> <p>Speed: (Function of design)<br/> Designed for accurate detection and inspection in accordance with the international standard<br/> Type: Sealed, Maintenance free drum<br/> Height: In accordance with the existing area of installation (Function of design)<br/> Capacity: Maximum of 165 kg (evenly distributed)</p>  |  |
| 66. | <p><b>Resolution and Sensitivity</b></p> <p>Wire Resolution: Function of Design<br/> Spatial Resolution: Function of Design<br/> Steel Penetration: Function of Design<br/> Contrast Sensitivity: Function of Design</p>  |  |
| 67. | <p><b>Generator</b></p> <p>Voltage: Function of Design<br/> Tube current: Function of Design<br/> Cooling: Function of Design (appropriate cooling system to prevent overheating)<br/> Duty Cycle: 100% duty cycle operation, No Warm-up Procedure Required<br/> Beam Direction: Function of Design<br/> Detection System: Function of Design</p>   |  |
| 68. | <p><b>Computer</b></p> <p>Processor: Intel® Core i7<br/> Memory: At least 4 GB RAM<br/> Storage: 256 GB SSD for OS plus 1 TB Internal HDD (back-up)<br/> Video Card: At least 1 GB with Dual Digital Display<br/> Graphics Interface: SVGA Graphics Adapter with 256 MB Video RAM<br/> Operating System: Compatible to the latest OS<br/> Expansion Ports: Multiple USB Ports and DVD Drive<br/> Anti-Virus: Protected with Anti-Virus Software or Function of Design</p> |  |
| 69. | <p><b>Monitor</b></p> <p>Display Type: 2 x 24" units LCD Color Monitors<br/> Display Resolution: 1600 x 1200; 24 bit/pixel Color</p> <ul style="list-style-type: none"> <li>• One (1) displays color imaging</li> <li>• Enhanced organic material separation imaging</li> <li>• Enhanced inorganic material separation imaging</li> <li>• Black and white imaging</li> <li>• Reverse black and white imaging</li> <li>• Pseudo color imaging</li> </ul>                   |  |



|     |  |  |
|-----|--|--|
| 70. | <p><b>Printer</b></p> <p>heavy duty 3 in 1 colored printer</p>   |  |
| 71. | <p><b>Environmental</b></p> <p>Operating Temperature: Function of Design<br/>Storage Temperature: Function of Design<br/>Humidity: Function of Design</p>  |  |
| 72. | <p><b>Electrical</b></p> <p>Power requirements: Function of Design</p> <ul style="list-style-type: none"> <li>• With Uninterruptible Power Supply (UPS)</li> <li>• Fitted with Main Power Switchboard securely installed inside workstation</li> <li>• The enclosed workstation shall be fitted but not limited with standard lightings, air-conditioning unit, ventilation switches and outlets</li> <li>• Fitted with standard radiation alarm system such as limited to blinker and public address.</li> </ul>  |  |
| 73. | <p><b>Integrated Logistics Support</b></p> <p>The supplier shall provide with but not limited to the following items:</p> <ul style="list-style-type: none"> <li>• Climate Operating Kit</li> <li>• Custom Paint</li> <li>• Entry / Exit Roller Tables (50 cm Increments)</li> <li>• Rubberized Floor mat for Operator (interlock)</li> <li>• Heavy Duty Rubber Casters</li> <li>• Radiation Dosimeter (for the machine)</li> <li>• Remote Workstation Configuration</li> <li>• Test Case</li> <li>• Personal Dosimeter (User)</li> <li>• External 3TB HDD (for volume image storage)</li> </ul> |  |
| 74. | <p><b>Manuals:</b></p> <p>At least 2 copies of the following Manuals (1- Operator and 1-XIP Head Office):</p> <ul style="list-style-type: none"> <li>• Machine Operational Manuals</li> <li>• Machine Maintenance and Specification Manual</li> <li>• Safety Manual</li> </ul>   |  |

|     |   |  |
|-----|---|--|
| 75. | <p><b>Prime Mover</b></p> <p>Engine: Diesel with turbocharger and intercooler; 4-cylinders<br/> Injection: Common rail; direct injection<br/> Transmission: Automatic<br/> Total Displacement: Function of design<br/> Total Displacement: Function of design<br/> Power Output/Torque: Function of design<br/> Gross Vehicle Weight: Function of design<br/> Wheel base: Function of design<br/> Fuel capacity: Function of design<br/> Electrical System: Function of design</p> <p>Standard features but not limited to:</p> <ul style="list-style-type: none"> <li>• Full suspension of under chassis</li> <li>• driver's cabin;</li> <li>• air conditioner;</li> <li>• power steering</li> <li>• powered windows;</li> <li>• car stereo/CD;</li> <li>• emergency battery</li> <li>• alarm and warning system</li> <li>• ambulance blinker</li> </ul> |  |
|-----|---|--|

**I hereby commit to comply with all the above technical specifications. If found to be false either during bid evaluation or post-qualification, the same shall give rise to automatic disqualification of our bid.**

\_\_\_\_\_  
Name of Company (in print)

\_\_\_\_\_  
Signature of Company Authorized Representative

\_\_\_\_\_  
Name & Designation (in print)

\_\_\_\_\_  
Date

## CHECKLIST OF REQUIREMENTS

### FIRST ENVELOPE – ELIGIBILITY DOCUMENTS

|   |  |
|---|--|
| <b>Eligibility and Technical Components</b>   |  |
| <b>Eligibility Documents</b>  |  |
| PhilGEPS Certificate of Registration and Membership   |  |
| Statement of all ongoing government and private contracts including contracts awarded but not yet started.  |  |
| Statement of Single Largest Completed Contract (SLCC) which is similar to the contract to be bid, and at least 50% of the ABC.<br><br>Bidders shall include in their Bid a photocopy of Single Largest Completed Contract and the corresponding proof of completion, such as (i) Certificate of Final Acceptance or Completion from the bidder's client; or (ii) Official Receipt issued by the bidder.   |  |
| Net Financial Contracting Capacity (NFCC) computation in accordance with ITB Clause 5.5 or a committed Line of Credit (CLC) from a Universal or Commercial Bank.  |  |
| <b>Technical Documents</b>  |  |
| Bid Security in <b>any</b> of the following forms: <ul style="list-style-type: none"> <li>• Bid Securing Declaration</li> <li>• Cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit in the amount of not less than <i>2% of ABC</i></li> <li>• Surety Bond, accompanied by a certification by the Insurance Commission that the surety or insurance company is authorized to issue such instruments, in the amount of not less than <i>5% of ABC</i></li> </ul> |  |
| Conformity with Section VI. Schedule of Requirements  |  |
| Conformity with Section VII. Technical Specifications   |  |
| Omnibus Sworn Statement   |  |
| Proof of authority of the authorized representative   |  |
| <b>Project Specific Eligibility/Additional Requirements:</b>  |  |
| 1. Health and Safety Compliance Certificate from the Manufacturer;  |  |

|  |  |
|--|--|
| <ol style="list-style-type: none"> <li>2. Original Equipment Manufacturer (OEM) certifications for the goods to be procured;</li> <li>3. Certificate of Distributorship from the manufacturer;</li> <li>4. Certification that the equipment being offered could be supported for at least five (5) years in terms of spare parts availability and service;</li> <li>5. Certification that parts of the equipment are readily available with the distributor in the Philippines;</li> <li>6. Certificate of training from the manufacturer of the service engineers or technicians;</li> <li>7. Certification of Duly Authorized Local Service Center;</li> <li>8. Proof of concept of After Sales Service Support System, e.g. screenshots of the features of the system; and</li> <li>9. Copy of the brochure(s) of the machine/equipment being offered.</li> </ol> |  |
|--|--|

**SECOND ENVELOPE - FINANCIAL COMPONENT**

|                            |  |
|----------------------------|--|
| <b>Financial Component</b> |  |
| Duly Signed Bid Form       |  |