



Bid Bulletin No. 1
19 May 2021

PUBLIC BIDDING NO. 21-057-7

**SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF AUTOMATIC
EXPLOSIVE DETECTION SYSTEM USING COMPUTED TOMOGRAPHY (CT)
TECHNOLOGY AND EXPLOSIVE TRACE DETECTORS
FOR THE OFFICE FOR THE TRANSPORTATION SECURITY (OTS)**

Issued pursuant to Sec. 22.5 of the IRR of R.A. 9184 to clarify and/or amend certain provisions in the Bidding Documents issued for this project, considering the issues raised and clarifications made by prospective bidders during the Pre-bid Conference held on **12 May 2021**, likewise, respond to bidders' written queries received within the prescriptive period for filing.

A. AMENDMENTS / INCLUSIONS

I. SECTION III. BID DATA SHEET

REFERENCE	BASES FOR AMENDMENT
Page 24 Clause 20.2 Item No. 1 xxx Income Tax Returns for year 2019 or Latest 2020 (BIR Form 1701 or 1702). xxx	To amend the requirement due to change in the fiscal year. For this purpose, the Income Tax Returns for year 2020 will be required.

II. SECTION VI. SCHEDULE OF REQUIREMENTS

REFERENCE	BASES FOR AMENDMENT
Page 31 Lot 2 Delivery Period xxx Within One Hundred Twenty (120) One Hundred Fifty (150) Calendar Days from the effective date indicated in the Notice to Proceed xxx	To amend the requirement and to give ample time to the bidders in delivering the item. Please refer and use Appendix "1" for the Compliance with the Schedule of Requirements Form.

III. SECTION VII. TECHNICAL SPECIFICATIONS

REFERENCE	BASES FOR AMENDMENT
<p>Page 35 Lot 1 Mandatory Functions</p> <p>xxx Must have software upgradable advanced threat detection algorithms for future capability which may include explosives, and restricted items, and narcotics.</p> <p>xxx</p>	<p>To amend the provision for better understanding. To clarify that the machines must be capable of detecting explosives not narcotics. Please refer and use Appendix "2" for the Compliance with the Technical Specification Form.</p>
<p>Page 38 Lot 1 Uninterruptible Power Supply (UPS)</p> <p>xxx Input voltage: 130 to 260 <u>165 to 275</u> VAC, 1-Phase, 50-60Hz</p> <p>xxx</p>	<p>To amend the requirement for better understanding. Please refer and use Appendix "2" for the Compliance with the Technical Specification Form.</p>
<p>Page 40 Lot 2: Supply, Delivery, Installation, Testing and Commissioning of Explosive Trace Detectors, Desktop type</p> <p>xxx Approved Budget for the Contract: ₱ 112,000,000.00 <u>₱120,000,000.00.</u></p> <p>xxx</p>	<p>To amend the provision on the Technical Specification, Approved Budget for the Contract (ABC). Please refer and use Appendix "3" for the Compliance with the Technical Specification Form.</p>

For the purpose of this Bulletin and for better understanding of its contents, the following rules shall apply: (a) ~~Double Strike out~~ – denotes deletion; (b) Underline – denotes inclusion or new item/requirement; and "xxx" – denotes separation of phrase/s being amended from the rest of the main text.

B. CLARIFICATION

The Department of Budget and Management – Procurement Service – Bids and Awards Committee VII hereby clarify bidders’ concerns and queries.

NO.	CONCERN	REFERENCE	CLARIFICATION/ RESOLUTION
CYLIX TECHNOLOGIES¹			
1	<p>May we be clarified on the requirement for Computer Specifications: Operating System must be LINUX based system to avoid Viruses</p> <p>Please note that not ALL x-ray machines in the world employs LINUX as its Operating System, thus asking for such specific requirement tends to unjustly favor one particular supplier/brand which is contrary RA 9184. Coupled with other x-ray feature that is unique to such a particular brand makes such a requirement a truly RESTRICTIVE provision.</p> <p>Based on RA9184, there should be Competitiveness by extending equal opportunity to enable private contracting parties who are eligible and qualified to participate in competitive bidding. In this light may we humbly request to amend the above cited provision to read as...</p> <p>Computer Specifications: Operating System must be based on Manufacturer’s standard OS (Operating System) either LINUX or Windows.</p> <p>Also, please note, that the notion that LINUX based systems are NOT</p>	<p>Section VII. Technical Specifications Page 33</p> <p>Lot 1: Item Description xxx Computer Specifications xxx Operating System</p>	<p>The End Users hereby clarifies that they maintain the required Operating System Linux which is free and open source compared to proprietary Operating System (OS) sources which are susceptible to viruses and malware.</p> <p>Linux System is considered to be free from viruses and malware and more than 90% of high-end server runs on Linux OS today. Linux is considered most reliable, secure and worry free Operating Systems available. Linux is the best known and most used open source Operating System. Linux is incredibly customizable because not just applications, it can be swapped out. Linux users also can choose core components, such as which system displays graphics, and other user-interface components. Companies and individuals choose Linux for their servers because it’s secure, flexible, and you can receive excellent support from a large group of community users.</p>

¹ Letter dated 11 May 2021.

	<p>vulnerable to viruses is already an outdated scenario. Due to the advancement in software programming and technology all operating systems right now are very vulnerable to computer viruses. The Linux kernel is an organic component of the operating system and is constantly being updated, thus releases would always contain vulnerabilities.</p> <p>This is also true with the Windows Operating System and the MAC/Apple Operating System. Based on the development cycles of X-Ray machines, the current Linux OS being used is full of vulnerabilities even if patched to the most recent one. Please understand that the OS of an x-ray machine is just used simply to run the unique detection algorithm and screening program of each machine.</p>		
2	<p>May we be clarified on the requirement for Conveyor Load: Conveyor must support a maximum load of at least 130 kg evenly distributed.</p> <p>As any airline traveler elsewhere in any part of the world would know, there is an IATA specified weight and size for passenger hand carried items. There could never be an instance in any screening operation before boarding a plane (hence the final check x-ray), that the hand carried x-ray machine will ever screen a maximum of a combined weight of more than 60kgs or screening hand carried baggage format most six (6) passengers at the same time.</p> <p>To promote competitiveness, may</p>	<p>Section VII. Technical Specifications Page 34</p> <p>Lot 1: Item Description</p> <p>xxx Operating Environment xxx Conveyor Load</p>	<p>OTS has been consistent in its requirement for these types of machines considering the ff:</p> <p>a. Passengers are also allowed a maximum of 10kg to 20kg hand carried luggage as long as the passengers can carry them and the same fits the luggage compartment. The length of the conveyor, given small distances as its maximum, can accommodate 7-bags simultaneously. If each bag contains maximum weight of 20kg, the machine will suddenly stop, or burn-out its</p>

	<p>we respectfully request to amend the above mentioned Restrictive provision to a more practical requirement to read as.... Conveyor Load: Conveyor must support a maximum load of at least 90kg at any given time during screening operation.</p> <p>We wish to respectfully point out that requiring such an unnecessary maximum load is impractical. Even if arranging all hand carried objects from one end to other end of the conveyor belt (industry average of 3.2 meters) and given the industry standards a specified maximum baggage length of 56 cm, that would only translate to an average and maximum of six (6) baggage per scan or maybe 3 to 4 passengers in any given time. And based on industry standards, the average hand baggage weight is 7 – 10 kg per passenger, with the maximum load of 130kg as per TOR that equates to 13 passengers putting their bags on the conveyor at any 1 time.</p>		<p>motor driving the conveyor belt and stops the screening operation which may result to sudden passenger queuing. This Office has computed these possibilities and considered the maximum capacity its benchmark considering that the actual weight a passenger brings is usually more than the allowable weight limit for the cabin baggage.</p> <p>b. OTS is not limited to its operational capability because it will have the option to utilize the machine in the hold baggage area which screens baggage heavier than cabin baggage, as long as the bags fit the tunnel.</p> <p>c. Among others, CT machines that have load capacity greater than 130kg are: (1) Smiths Detection CTiX at 160kg, (2) Analogic ConneCT at 136kg, (3) Rapiscan 920 CT at 136kg; all ECAC and TSA certified for cabin baggage screening.</p>
ADVANCE SECURITY & SAFETY SOLUTIONS, INC.²			
3	<p>Request for amendment of the Item specification to:</p> <p>Operating System must be based on Manufacturer’s standard OS</p>	<p>Section VII. Technical Specifications Page 33</p>	<p>The End Users hereby clarifies that they maintain the required Operating System Linux which is free and open source compared</p>

² Letter dated 12 May 2021.

	<p>either LINUX or Windows.</p>	<p>Lot 1: Item Description xxx Computer Specifications xxx Operating System</p>	<p>to proprietary Operating System (OS) sources which are susceptible to viruses and malware.</p> <p>Linux System is considered to be free from viruses and malware and more than 90% of high-end server runs on Linux OS today. Linux is considered most reliable, secure and worry free Operating Systems available. Linux is the best known and most used open source Operating System. Linux is incredibly customizable because not just applications, it can be swapped out. Linux users also can choose core components, such as which system displays graphics, and other user-interface components. Companies and individuals choose Linux for their servers because it's secure, flexible, and you can receive excellent support from a large group of community users.</p>
<p>4</p>	<p>Conveyor must support a maximum load of at least 80kg at any given time during operation.</p>	<p>Section VII. Technical Specifications Page 34</p> <p>Lot 1: Item Description xxx Operating Environment xxx Conveyor Load</p>	<p>OTS has been consistent in its requirement for these types of machines considering the ff:</p> <p>a. Passengers are also allowed a maximum of 10kg to 20kg hand carried luggage as long as the passengers can carry them and the same fits the luggage compartment. The length of the conveyor, given small distances as its maximum, can accommodate 7-bags</p>

			<p>simultaneously. If each bag contains maximum weight of 20kg, the machine will suddenly stop, or burn-out its motor driving the conveyor belt and stops the screening operation which may result to sudden passenger queuing. This Office has computed these possibilities and considered the maximum capacity its benchmark considering that the actual weight a passenger brings is usually more than the allowable weight limit for the cabin baggage.</p> <p>b. OTS is not limited to its operational capability because it will have the option to utilize the machine in the hold baggage area which screens baggage heavier than cabin baggage, as long as the bags fit the tunnel.</p> <p>c. Among others, CT machines that have load capacity greater than 130kg are: (1) Smiths Detection CTiX at 160kg, (2) Analogic ConneCT at 136kg, (3) Rapiscan 920 CT at 136kg; all ECAC and TSA certified for cabin baggage screening.</p>
DEFENSE AND PROTECTION SYSTEMS PHILS. INC.³			
5	Item Description:	Section VII.	The End Users hereby

³ Letter dated 12 May 2021.

	<p>3.1 Under Mandatory Functions: page 35</p> <p>Must have software upgradable advanced threat detection algorithms for the future capability which may include explosives, restricted items and narcotics.</p> <p>The required scanning equipment in this tender is Automatic Explosive Detection System using Computed Tomography Technology. Please note that this type of equipment is scanning and detecting for explosive materials only and other restricted items. But not Narcotics. That's why it is called Explosive Detection System.</p> <p>In this regards, may we request that Narcotics be deleted on this item.</p>	<p>Technical Specifications Page 34</p> <p>Lot 1:</p> <p>xxx Item Description xxx</p> <p>Mandatory Functions</p>	<p>clarifies that they agree. They require machines that are capable of detecting explosives not narcotics.</p> <p>We delete the requirement for narcotics detection as we may have overlooked this with another equipment with similar capability.</p> <p>Please see amendment part of the Bid Bulletin.</p>
6	<p>Under Uninterruptible Power Supply (UPS): Page 38</p> <p>Minimum of 6KVA, Double On-line Conversion UPS;</p> <p>Input Voltage: 130 to 260 VAC, 1-Phase, 50-60Hz</p> <p>The main purpose of UPS is to provide alternative power source in the event of power interruptions. X-ray operators can properly shutdown the x-ray equipment without harming the hardware component of the computer system from sudden power loss. However, UPS is not really into voltage regulations. That's the job of the Constant Voltage Transformer (CVT),</p>	<p>Section VII. Technical Specifications Page 38</p> <p>Lot 1:</p> <p>xxx Item Description xxx</p> <p>Uninterruptible Power Supply (UPS)</p>	<p>The End Users hereby clarifies that they agree. The requirement shall be amended as follows:</p> <p>from: 130 to 260 VAC, 1-Phase, 50-60Hz</p> <p>to read: 165 to 275 VAC, 1-Phase, 50-60Hz</p> <p>Please see amendment part of the Bid Bulletin.</p>

	<p>which is also included in this tender as one of x-ray machine power protections.</p> <p>The required input Voltage of 130VAC to 260 VAC seems not right for UPS. Compare to the previous UPS requirement of OTS, the Input Voltage was at 165-275 VAC. In this regard, may we request that the input voltage of the UPS be amended:</p> <p>From: Input Voltage: 130 to 260 VAC, 1-Phase, 50-60Hz</p> <p>To: Input Voltage: 165 to 275 VAC, 1-Phase, 50-60Hz</p>		
7	<p>If we intend to bid for Lot 1 only, will the Name of the Project be as such?</p> <p>Supply, Delivery, Installation, Testing and Commissioning of Automatic Explosive Detection Using Computed Tomography (CT) Technology for the Office for Transportation Security.</p> <p>Bidding Reference PB 21-057-7</p>	<p>Section I. Invitation to Bid. xxx Project Title xxx</p>	<p>The Committee hereby clarifies that the project title is: Supply, Delivery, Installation, Testing and Commissioning of Automatic Explosive Detection System Using Computed Tomography (CT) Technology and Explosive Trace Detectors even participating on Lot 1 or 2 only.</p>
ADLIB INTERNATIONAL SALES, INC.⁴			
8	<p>We would like to request that the delivery period of the subject equipment be amended from one hundred twenty (120) days to one hundred eighty (180) days. We propose this amendment with a prayer for consideration from your good office, since we are having</p>	<p>Section VI. Schedule of Requirements xxx Delivery Period xxx</p>	<p>In consideration of the pandemic which affected all industries including manufacturing, shipping and customs clearing operations, we amend the delivery period from 120cd to 150cd.</p> <p>Please see amendment part f</p>

⁴ Letter dated 12 May 2021.

	difficulties with communications and logistics due to the current pandemic that we are experiencing.		the Bid Bulletin.
9	<p>We turn your attention to the deliverable consumables. The Bid Documents state that the equipment must include consumables which are, "necessary to perform 4,000 samples per unit, and shall include but not be limited (as applicable) to the following: dopants, gloves, desiccants, sample swipes, calibration/verification swipes, etc." We would like to confirm if the 4,000 samples stated here is the number of uses or the actual number of units. We seek to clarify this because one (1) unit of our consumable can be repeatedly used for fifty (50) samples.</p>	<p>Section VII. Technical Specifications Page 41</p> <p>Lot 2</p> <p>xxx Item Description xxx Consumables</p>	<p>The End Users hereby clarifies that they retain this requirement. Based on OTS Standard Operating Procedure (SOP), swab samples can be used up to 20 times only if there is no explosive detection. If such swab sample detects traces of explosives, then it will no longer be used again, a new swab (swipes) will be used immediately.</p> <p>The intention here of OTS is to provide a longer period the availability of swab samples without the need of procuring the same in the near future. Hence, per OTS data on the utilization of swab samples in the existing IMS-based ETDs, the swab sample requirement of 4,000 samples per unit is just enough supply for 6-months period, for high-passenger volume airports and 1-year supply for low- passenger volume airports. If a swab sample can be repeatedly used for say 50 times, the supply will last for more than a year for high passenger volume airports and more than 2 years for low passenger volume airports.</p>
10	Third, we would like to propose an amendment in the terms of payment ensconced in Section VIII – Terms of Payment of the Terms	Section VII. Technical Specifications Page 60	The End Users hereby clarifies that they retain this requirement. They retain the requirement considering that

	<p>of Reference of the Bid Documents.</p> <p>Most, if not all, business and companies around the world suffered immensely due to the ongoing pandemic. We therefore plead to your kind office if you can allow an advance payment of fifteen percent (15%) in accordance with Section 4.1 of Annex D of the Revised Implementing Rules and Regulations of Republic Act No. 9184⁵, otherwise known as the Government Procurement Reform Act. This RIRR was issued last 2019, superseding all issuances related to the subject matter of advance payment, including relevant memoranda, circulars, department orders, and others. This does not require the approval of the President (of the Philippines) since it falls under the cases mentioned in the abovementioned Section 4.1 of Annex D of the RIRR of R.A. 9184. We would therefore like to respectfully request that this RIRR be adopted instead.</p>	<p>xxx</p> <p>Terms of Reference</p> <p>xxx</p> <p>Section VIII. Terms of Payment</p>	<p>the project funds came from the Department of Transportation (DOTr) who issued the memorandum order dated 10 July 2018 stating that "no advance payment or mobilization fees shall, as a rule, be extended or paid with respect to any project of the department".</p>
11	<p>In relation to item (c) above, we also would like to respectfully request that partial delivery, and with it, partial payment based on delivery, be allowed for this contract. This will not only help the bidders suffering from the pandemic, but also enable the winning bidder to further expedite the remaining shipments from abroad.</p>	<p>Section VII. Technical Specifications Page 60</p> <p>xxx</p> <p>Terms of Reference</p> <p>xxx</p> <p>Section VIII. Terms of Payment</p>	<p>Partial payment for partial deliveries will be allowed in this project following the same "Terms of Payment as indicated in the bid documents.</p>
12	<p>Lastly, we would like to seek to</p>	<p>Section III.</p>	<p>The End Users hereby</p>

	<p>amend the definition of the similar contracts. Section 5.3 of the Bid Data Sheet states that a similar contract is those classified as "as any contract on Baggage Screening Equipment or Explosive Detection System."</p> <p>In order to make sure that only those companies with proven track record and competence can participate, and in the spirit of the objectives of R.A. 9184, we propose to amend this definition to "any contract on Security Screening Equipment or Explosive Detection System, any of which are supplied, installed, delivered, and/or commissioned at any airport."</p> <p>This is necessary to make sure that only bidders with proven competence in securing airports can participate in this procurement.</p>	<p>Invitation to Bid. Page 19</p> <p>ITB Clause 5.3</p>	<p>clarifies that the machines they are procuring refers to baggage screening machines, they hereby retain the original requirement considering that security screening equipment may include CCTV surveillance and people screening equipment projects which does not prove bidder's competence on the project at hand.</p>
13	<p>This is in regards to our request to amend the terms of payment to include 15% down payment. In case this request will not be granted and allowed, in view of the pandemic it would be greatly help if we may request for a partial delivery be accepted with corresponding immediate payment of 65% of the item delivered be paid upon delivery. Accordingly, the balance will only be collected after we have accomplished the testing and commissioning of such item.</p>	<p>Section VII. Technical Specifications Page 60 xxx Terms of Reference xxx</p> <p>Section VIII. Terms of Payment</p>	<p>The End Users hereby clarifies that they retain this requirement. They retain the requirement considering that the project funds came from the Department of Transportation (DOTr) who issued the memorandum order dated 10 July 2018 stating that "no advance payment or mobilization fees shall, as a rule, be extended or paid with respect to any project of the department".</p>
CLARIFICATION DURING PRE-BID CONFERENCE			
	<p>xxx Each bidder shall submit one (1) original and two (2) copies of the first and second components of its bid.</p>	<p>Page 22 Clause 15 Sealing and Marking of Bid</p>	<p>To clarify the required copies of the proposal.</p>

xxx			
xxx Updated PhilGEPS Certificate of Registration (Platinum Membership). xxx	Page 25 Clause 20.2 Item No. 5	To clarify that in case those documents under PhilGEPS Certificate of Registration Annex "A" is/are expired, the bidder need to present with the Committee the copy of the latest document. However, during the conduct of the Post Qualification, bidders shall submit the updated PhilGEPS Certificate.	
Certifications and Bidders Commitments	Section VII. Technical Specifications	The Committee hereby clarifies that other Certifications and Commitments shall be submitted together with the Technical Bid proposal during the conduct of Opening of Bids. The Committee refers the Certifications and other commitment matter to Section VII. Technical Specification.	

All other portions of the Bidding Documents affected by these amendments shall be made to conform to the same.

Amendments/inclusions/clarifications made herein shall be considered an integral part of the Bidding Documents.

The changes made in the Philippine Bidding Documents (6th Edition, July 2020) are deemed integrated in the terms and conditions for this project.

(SGD)
ULYSSES E. MORA
Chairperson, Bids and Awards Committee VII

Appendix "1"

Section VI. Schedule of Requirements

Lot No.	Qty	Item/Description	Delivery period
1	1 lot	Supply, Delivery, Installation, Testing and Commissioning of Automatic Explosive Detection System Using Computed Tomography (CT) Technology	Within two Hundred Ten(210) Calendar Days from the effective date indicated in the Notice to Proceed
2	1 lot	Supply, Delivery, Installation, Testing and Commissioning of Explosive Trace Detectors, Desktop type	Within One Hundred Fifty (150) Calendar Days from the effective date indicated in the Notice to Proceed

I hereby commit to comply and deliver all the above requirements in accordance with the above stated schedule.

Name of Company

Signature Over Printed
Name of Authorized
Representative

Date

Appendix "2"

LOT NO. 1	:	Supply, Delivery, Installation, Testing and Commissioning of Automatic Explosive Detection System Using Computed Tomography (CT) Technology
QUANTITY	:	1 Lot
APPROVED BUDGET FOR THE CONTRACT	:	₱ 112,000,000.00

ITEM DESCRIPTION	BIDDER'S STATEMENT OF COMPLIANCE
<p>Supply, Delivery, Installation, Testing and Commissioning of Automatic Explosive Detection System Using Computed Tomography (CT) Technology</p> <p><i>*Conforms to the attached Terms of Reference of Explosive Detection System on Annex A.</i></p>	<p>Brand: _____</p> <p>Model: _____</p>
<p>Operator Image Analysis</p> <p>Must be of a colored Computed Tomography X-ray Imaging Security system with 3D rotatable object representation</p>	
<p>Video Display</p> <p>Must have a color display monitor with at least 1920 x 1080 resolution</p>	
<p>Minimum Display Technology: TFT/LCD/LED Monitors</p>	
<p>Minimum Monitor Size: 19-inch TFT/LCD/LED Monitor</p>	
<p>Computer Specifications</p> <ul style="list-style-type: none"> • Must be network ready for future remote operation and workstation. • Must have storage capacity for at least 10,000 scanned images • Operating system must be LINUX based system to avoid viruses. 	

<p>Health and Safety</p> <p>System must be provided with emergency stop buttons on both ends. Emergency stop must also available in the controlled keyboard.</p>	
<p>Maximum Radiation exterior leakage rate:Not More Than 1µSv/hr</p>	
<p>Systems must be provided with “<i>Power ON</i>” and “<i>X-Ray ON</i>” indicators at both ends of the X-Ray tunnel and on the operator Workstation</p>	
<p>Operating Environment</p> <p>Humidity: Up to 90% Non-condensing;</p>	
<p>Operating Temperature: Up to 40°C;</p>	
<p>Must not require an internal air-conditioning system to Operate</p>	
<p>Electrical/ Power</p> <p>Power Supply: Must be able to operate with a power source of 200 to 250VAC, 1-Phase, 60 Hz</p>	
<p>X-Ray Generators</p> <p>Anode voltage minimum: 160 kV at 3mA</p>	
<p>Technology</p> <p>Dual Energy Rotating Gantry CT</p>	
<p>Physical</p> <p>Minimum Tunnel Size:</p> <ul style="list-style-type: none"> • Width 600 mm • Height 400 mm. 	
<p>Minimum Conveyor Height: 600mm</p>	
<p>Conveyor Load: Conveyor must support a maximum load of at least 130kg evenly distributed</p>	
<p>Must not weigh more than 3,000kg (without conveyor extensions/stand-alone)</p>	

Conveyor Speed: Minimum of 200mm/s conveyor speed with throughput of at least 1000 bags per hour while maintaining radiation safety limits (continuous operation excluding any operator review)	
<p>Entry Roller: 1 meter</p> <p>Exit Roller: 2.0 meters with stopper</p> <ul style="list-style-type: none"> - The system shall be mounted on heavy-duty castors for ease of movement. - It shall be fixed in place by means of adjustable screw jack levelling feet It shall be fixed in place by means of adjustable screw jack levelling feet. 	
<p>Mandatory Functions</p> <p>Must be of an advanced Explosive Detection System with full 3D rotatable, high resolution imaging</p>	
Must have at least dual energy computed tomography technology based system	
Must have built-in Threat Image Projection (TIP) feature	
Must have built-in Automatic Explosive Detection (AED) feature	
Must have software upgradable advanced threat detection algorithms for future capability which may include explosives and restricted items.	
Must have clearly marked and visible X-RAY ON and POWER indicators to notify operators and non-operators that the machine is operational and in-use	
Must have physical Emergency Stop buttons on both Entry and Exit tunnel and on the Operator Control Panel	
<p>Must have imaging features such as the following:</p> <ul style="list-style-type: none"> • continuous zooming • Black & White Mode / Color • High Penetration mode • Organic and Inorganic Stripping mode • Threat Image Projection • Automatic Explosive Detection (AED) 	

<ul style="list-style-type: none"> • 3D manipulation functions 	
Must have a designed operational life span of at least 10 years	
Must have a projected Mean Time Between Critical Failure (MTBCF) of at least 5000 hours	
Must have an Manufacturer’s approved operational test kit that validates key statistics about the image produced by the machine, to ensure proper overall system detection performance	
Must have a storage capacity of at least 10,000 scanned bags subject to first-in / first-out removal upon reaching the storage capacity threshold	
Must have a built-in bag counter, diagnostics with system runtime, and automated self-test	
Must have dual-energy material discrimination capability to identify different materials	
Must be network ready for software updates and diagnostics.	
<p>Regulatory Approvals</p> <p>The system/technology equipment/model must be included in the “TSA or ECAC QUALIFIED TECHNOLOGIES LIST” and compliant to ECAC EDS CB C3 and TSA at-2 TIER II certified in the USA.</p>	
<p>Meet US or EU safety requirements of at least the following:</p> <ul style="list-style-type: none"> ○ EN 61010-1:2010 ○ UL 61010-1:2012 	
<p>Documentation</p> <p>The supplier/manufacturer shall provide the following items with each x-ray unit:</p>	

<p>a. Operating Instructions</p> <p>The supplier/manufacturer or distributor shall supply with each unit an operator’s manual that shall contain at least the following information:</p> <ul style="list-style-type: none"> a. The purpose of the x-ray unit. b. A description of operator controls. c. A listing of the operating features. d. A description of the capabilities and principles of x-ray screening. e. A block diagram showing the major internal functional components. 	
<p>b. Operator Training Instructions & USB</p> <p>A training package shall be supplied to provide operators with the information necessary to acquire the technical and operational skills required to conduct effective screening with the x-ray unit. The training package shall include operator’s manual.</p>	
<p>c. Technical Manual in English</p> <p>A technical manual shall be provided which contains all of the information that could be required by a technician to install, maintain troubleshoot and repair the equipment to the replaceable component level.</p>	
<p>d. Certifications of Test, Inspection, and Conformance</p> <p>The supplier/manufacturer shall provide a certification/document of all tests, test procedures, testing laboratories, compliance to required standards, record of the test results available pertaining to the CT X-ray unit.</p>	
<p>e. Preventive Maintenance Schedule</p> <p>The supplier/manufacturer shall provide a quarterly preventive maintenance schedule.</p>	

<p>Warranty</p> <p>Two (2) years on parts and labor. Excluding wear and tear consumables such as batteries, conveyor belts & tunnel curtains, which shall only have one (1) year warranty on both parts and labor.</p>	
<p>In addition to the two (2)-year warranty:</p> <ul style="list-style-type: none"> • At least Quarterly Preventive Maintenance • 24/7 Helpdesk Service support • On-site support within 72-hours 	
<p>On-site Installation</p> <p>On-site delivery and installation of the equipment</p>	
<p>Surge Protector / Constant Voltage Transformer (CVT)</p> <p>Minimum of 5kVA, voltage range: +15% - 20%, voltage surge/sag tolerance: +/-45%</p>	
<p>UninterruptiblePower Supply (UPS)</p> <p>Minimum of 6kVA, Double On-line Conversion UPS;</p> <p>Input voltage: 165 to 275 VAC, 1-Phase, 50-60Hz</p> <p>Output Voltage: 230VAC +/- 3% or lower, 1-Phase, 60Hz +/- 0.5Hz or lower</p>	
<p>Minimum of 15-minutes back-up time (system ON, idle mode) with at least the following specifications:</p> <ul style="list-style-type: none"> • With manual bypass • With overload and short circuit protection • Simple Network Management Protocol (SNMP) functionality • Operates within 0-40°C and up to 95% non-condensing relative humidity 	
<p>In-Country Services/Maintenance</p> <p>Must have an established/existing in-country Maintenance and After Sales Service representative qualified service technician certified by the</p>	

Manufacturer.	
Delivery Period: Within Two Hundred Ten (210) calendar days after the issuance of Notice to Proceed (NTP) in accordance with the Deployment Schedule in Item E.	
Availability of spare parts Must certify/undertake to make available spare parts within the next 10 years from delivery and acceptance both from the Manufacturer and the local representative	
Must have available stock of major spare parts for immediate use and replacement of reported defective unit within the warranty period	
Training programs with Training Manual Must provide comprehensive formal training for twenty (20) OTS X-ray technicians/personnel for three (3) days.	
Must provide On-site Operator's Training program with module upon delivery of the equipment	
Must provide 1 st level maintenance and troubleshooting training program with module upon delivery of the equipment	
Operator Console with Operator Chair Ergonomically designed operator console, easy to manipulate and heavy duty bar-stool type chair, non-gas-lift (fixed type), non-swivel and without armrest and backrest	
REQUIREMENTS TO BE SUBMITTED TOGETHER WITH THE TECHNICAL BID:	
1. A Certificate of Authorized Distributorship/Reseller/Partner from the Manufacturer of all the offered equipment;	
2. A Certificate of availability of spare parts for the next ten (10) years from the Manufacturer of all the offered equipment;	
3. Bidder's Certification of availability of Service Center/s with factory trained service technicians.	
4. Delivered units must be brand new as certified by the Manufacturer.	

5. Certification of good business track record issued by the Manufacturer for the last five (5) years.	
BIDDERS COMMITMENTS	
The winning bidder shall commit to render the following within the warranty period: a.) Within twenty-four (24) hours support service and response time upon receipt of notice;	
The Supplier shall be responsible for securing the required permits/licenses at the Supplier's expense, if any, for the importation and delivery of the items to the site;	

I hereby certify that the statement of compliance to the foregoing technical specifications are true and correct, otherwise, 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

Signature Over Printed
Name of Authorized
Representative

Date

Appendix "3"

LOT NO. 2	:	Supply, Delivery, Installation, Testing and Commissioning of Explosive Trace Detectors, Desktop type
QUANTITY	:	1 Lot
APPROVED BUDGET FOR THE CONTRACT	:	<u>₱ 120,000,000.00</u>

ITEM DESCRIPTION	BIDDER'S STATEMENT OF COMPLIANCE
Supply, Delivery, Installation, Testing and Commissioning of Explosive Trace Detectors, Desktop type <i>* Conforms to the attached Terms of Reference of Explosive Trace Detectors on Annex B.</i>	Brand: _____ Model: _____
Technical Specifications and Functions	
1. Detector Type: Mass Spectrometry	
2. Detection Capability: Explosives	
3. Sample Collection: Trace particle swab sampling	
4. Calibration: Automatic internal self- calibration	
5. Alarm Method: Audiovisual alarm capabilities (indicate the probability of trace particles detected)	
6. Data Display: High resolution touchscreen anti-reflective display.	
7. Weight: Must not more than 27 kgs	
8. Analysis Time: Must be twelve (12) seconds or less	
9. Warm up Time: Maximum of thirty (30) minutes	
10. Operating temperature: 0 to 40°C	
11. Operating humidity: 0 to 95% non-condensing	
12. Storage capacity: Minimum of 50,000 samples	
13. Printer: Built-in Printer	
14. Connectivity and Expandability: Ethernet, USB 2.0 ports	
15. Power: 100-240V AC, 50-60Hz	
16. False Alarm Rate : Must not exceed 2% False Alarm rate	

<p>17. Conforms to all safety standards for airports. The detector must not expose:</p> <ul style="list-style-type: none"> a) Any sharp corners or edges that can puncture, cut, or tear the skin or clothing or injure persons coming in contact with the detector, b) External wires, connectors, and cables except the power cable or, c) Loose covers 	
<p>Explosive detection with programmable detection capability for Military, Commercial and Improvised Explosive Device but not limited as listed:</p>	
<p>Type of Explosives</p>	
<p>Picric Acid</p>	<p>EGDN</p>
<p>R Salt</p>	<p>UN</p>
<p>TNT</p>	<p>Tetryl</p>
<p>PETN</p>	<p>HMX</p>
<p>Black Powder &/or Smokeless Powder</p>	<p>AN</p>
<p>RDX</p>	<p>ETN</p>
<p>NG</p>	<p>HMTD</p>
<p>TATP</p>	<p>Sulfur</p>
<p>TNB</p>	<p>DNT</p>
<p>Regulatory Bodies</p> <p>Certification and Conformity: Must be included in at least one of the following list:</p> <ul style="list-style-type: none"> • Transportation Security Authority (TSA) Qualified Technologies List; or • European Civil Aviation Conference (ECAC) Certified List; or • UK Department for Transport (DfT UK) Approved List 	
<p>Operators Manual</p> <p>Operator's manual that must contain at least the following information:</p> <ol style="list-style-type: none"> 1.) Purpose of the detector 2.) Description of operator controls 3.) Listing of the operating features 4.) Description of the detection principles and detector capabilities. 	
<p>Consumables:</p> <p>Must include consumables necessary to perform 4,000 samples per unit, and shall include but not be limited (as applicable) to the following: dopants, gloves, desiccants, sample swipes, calibration/verification swipes, etc.</p>	
<p>Consumables shall have at least one year of validity from date of manufacture</p>	

Bid offer shall include cost of each item of prescribed consumables, ordering lead time & shelf life/expiration period and statement of availability of consumables for the next ten (10) years	
Documentation: The supplier/manufacturer shall provide the following items with each unit:	
a. Operating Instructions: The supplier/manufacturer or distributor shall supply with each unit an operator's manual in English.	
b. Operator Training Instructions & USB/CD-ROM: A training package shall be supplied to provide operators with the information necessary to acquire the technical and operational skills required to conduct effective screening operations. The training package shall include operator's manual.	
c. Technical Manual in English: A technical manual shall be provided which contains all of the information that could be required by a technician to install, maintain troubleshoot and repair the equipment to the replaceable component level.	
Certifications of Test, Inspection, and Conformance: The supplier/manufacturer shall provide a certification/document of tests, test procedures, testing laboratories, compliance to required standards, record of the test results available pertaining to the unit.	
Preventive Maintenance Schedule: The supplier/manufacturer shall provide a preventive maintenance schedule not lesser than the Manufacturer standard.	
Warranty: Two (2) years on parts and labor.	
In addition to the two (2)-year warranty: <ul style="list-style-type: none"> • At least quarterly Preventive Maintenance • 24/7 Helpdesk Service support • On-site support within 72-hours • Provision for stand-by unit equivalent to ten (10%) percent of the total supplied units Shall provide replacement unit in cases where the defective unit can no longer be repaired.	
Delivery Period: One hundred twenty (120) calendar days	
Availability of spare parts:	

Must certify to make available spare parts within the next 10 years from delivery and acceptance both from the Manufacturer and the local representative.	
Training programs with Training Manual: Must provide comprehensive formal training for at least twenty (20) OTS technicians/personnel for three (3) days. The supplier must issue a certificate of attendance.	
Must provide On-site Operator’s Training program with module upon delivery of the equipment	
Supplier’s Certificate of undertaking to conduct all the required trainings as follows: <ul style="list-style-type: none"> • Operator Training • Basic Troubleshooting • Train the Trainor’s Training 	
REQUIREMENTS TO BE SUBMITTED TOGETHER WITH THE TECHNICAL BID:	
1. A Certificate of Authorized Distributorship/Reseller/Partner from the Manufacturer of all the offered equipment;	
2. A Certificate of availability of spare parts for the next ten (10) years, spare unit at least one (1) and support service from the Manufacturer of all the offered equipment;	
REQUIREMENTS TO BE SUBMITTED TOGETHER WITH THE TECHNICAL BID:	
1. A Certificate of Authorized Distributorship/Reseller/Partner from the Manufacturer of all the offered equipment;	
2. A Certificate of availability of spare parts for the next ten (10) years, spare unit at least one (1) and support service from the Manufacturer of all the offered equipment;	
BIDDERS COMMITMENTS	
The winning bidder shall commit to render the following within the warranty period: <ul style="list-style-type: none"> a.) Within twenty-four (24) hours support service and response time upon receipt of notice; b.) Availability of technical/personnel/service engineer within Forty Eight (48) to Seventy-Two (72) hours after receipt of request/call from the agency; 	
The Supplier shall be responsible for securing the required permits/licenses at the Supplier’s expense, if any, for the importation and delivery of the items to the site;	

I hereby certify that the statement of compliance to the foregoing technical specifications are true and correct, otherwise, 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

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