



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF FINANCE
BUREAU OF CUSTOMS

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BIDS AND AWARDS COMMITTEE

SUPPLEMENTAL/BID BULLETIN

ADDENDUM NO. 1

SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF CT BAGGAGE SCANNER AND BODY SCANNER FOR THE BUREAU OF CUSTOMS

This Addendum No. 1 dated 30 November 2023 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><u>Section I. Invitation to Bid</u></p> <p>7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below on or before December 04, 2023, 1:30 p.m. Late bids shall not be accepted.</p> <p>9. Bid opening shall be on December 04, 2023, 2:00 p.m. at the given address below. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.</p>	<p><u>Section I. Invitation to Bid</u></p> <p>7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below on or before December 07, 2023, 9:30 a.m. Late bids shall not be accepted.</p> <p>9. Bid opening shall be on December 07, 2023, 10:00 a.m. at the given address below. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.</p>								
<p><u>Section II. Instruction to Bidders</u></p> <p>14. Bid Security</p> <p>14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the BDS, which shall be not less than the percentage of the ABC in accordance with the schedule in the BDS.</p> <p>14.2. The Bid and bid security shall be valid until April 02, 2024. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.</p>	<p><u>Section II. Instruction to Bidders</u></p> <p>14. Bid Security</p> <p>14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the BDS, which shall be not less than the percentage of the ABC in accordance with the schedule in the BDS.</p> <p>14.2. The Bid and bid security shall be valid until April 05, 2024. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.</p>								
<p><u>Section III. Bid Data Sheet</u></p> <table border="1" data-bbox="164 2125 781 2282"> <thead> <tr> <th data-bbox="164 2125 367 2170">ITB Clause</th> <th data-bbox="367 2125 781 2170"></th> </tr> </thead> <tbody> <tr> <td data-bbox="164 2170 367 2282">5.3</td> <td data-bbox="367 2170 781 2282">The bidder must have completed, five (5) years prior to December 04, 2023</td> </tr> </tbody> </table>	ITB Clause		5.3	The bidder must have completed, five (5) years prior to December 04, 2023	<p><u>Section III. Bid Data Sheet</u></p> <table border="1" data-bbox="821 2125 1438 2282"> <thead> <tr> <th data-bbox="821 2125 1024 2170">ITB Clause</th> <th data-bbox="1024 2125 1438 2170"></th> </tr> </thead> <tbody> <tr> <td data-bbox="821 2170 1024 2282">5.3</td> <td data-bbox="1024 2170 1438 2282">The bidder must have completed, five (5) years prior to December 07,</td> </tr> </tbody> </table>	ITB Clause		5.3	The bidder must have completed, five (5) years prior to December 07,
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<p>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.</p> <p>Bidders must include in their Bid a photocopy of Single Largest Completed Contract, Notice of Award (NOA), Notice to Proceed (NTP), Technical Inspection and Acceptance Committee (TIAC) Report or Certificate of Final Acceptance Report or equivalent in the Private Sector.</p> <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 CT Baggage Scanner and Body Scanner”</p>	<p>2023, a single contract that is similar to the project at hand and has completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least fifty percent (50%) in the case of non-expendable supplies and services or twenty-five percent (25%) in the case of expendable supplies] of the ABC for this Project. Bidders must include in their Bid a photocopy of Single Largest Completed Contract, Notice of Award (NOA), Notice to Proceed (NTP), Technical Inspection and Acceptance Committee (TIAC) Report or Certificate of Final Acceptance Report or equivalent in the Private Sector.</p> <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 CT Baggage Scanner and/or Body Scanner”, “Security Inspection Equipment” or “Security Screening Devices”. Which refer to the various machines and tools used to inspect baggage and individuals for security purposes, such as metal detectors, x-ray machines, explosive trace detection (ETD) equipment, and body scanner.”</p>
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<u>Section V. Special Conditions of Contract</u>		<u>Section V. Special Conditions of Contract</u>	
GCC Clause		GCC Clause	
1	Delivery and Documents – The Goods shall only be delivered by the supplier as indicated in Section VI. Schedule of Requirements. Moreover, the delivery schedule as indicated in Section VI. Schedule of Requirements may be modified at the option of the Procuring Entity, with prior due notice, written or verbal, to the Supplier.	1	Delivery and Documents – The Goods shall only be delivered by the supplier as indicated in Section VI, Schedule of Requirements. Moreover, the delivery schedule as indicated in Section VI, Schedule of Requirements may be modified at the option of the Procuring Entity, with prior due notice, written or verbal, to the Supplier.
2.2	Payment shall be made after formal acceptance of deliverables, and 10% shall be retained until completion of contract.	2.2	50% Payment shall be made after formal acceptance of deliverables, 40% upon commissioning and final acceptance and 10% shall be retained until completion of contract.
3	No further instructions.	3	No further instructions.
4	Inspections and Tests Complete Goods shall be inspected and/or tested by the End User based in Section VII. Technical Specifications.	4	Inspections and Tests Complete Goods shall be inspected and/or tested by the End User based in Section VII. Technical Specifications.
5.1	Warranty is based on the technical specifications.	5.1	Warranty is based on the technical specifications.
5.2	No further instructions.	5.2	No further instructions.
6	No additional provision.	6	No additional provision.
<u>Section VII. Technical Specification</u>		<u>Section VII. Technical Specification</u>	
		<ul style="list-style-type: none"> • Please see attached revised Technical Specification 	

Reminders:

- Submission of bids will be on or before 07 December 2023, 9:30 AM.
- Bids must be properly sealed and signed.
- Late submission will not be accepted.

For guidance and information of all concerned.



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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 of Compliance
	<p><u>GENERAL QUALIFICATIONS OF THE SUPPLIER/CONTRACTOR</u></p> <p>A. THE SUPPLIER/CONTRACTOR must be in existence for 15 years and capable of implementing the project consistent with the primary purpose as it appears in its Certificate of Registration, that it provides any and all acts and thing that are associated with or required in the supply, delivery and commission of industrial x-ray machines.</p> <p>B. The brand of the x-ray machine to be offered should have been in the Philippine industrial x-ray market for over 10 years.</p> <p>C. SUPPLIER/CONTRACTOR must have a 24/7 Nationwide Service Desk-Phone and email support; including regular holidays, special holidays and government announced holidays.</p> <p>D. SUPPLIER/CONTRACTOR must have on-call personnel: 24/7 including regular holidays, special holiday and government announced holidays. On-call support is provided in situations that require the presence of technical personnel at BOC site to perform critical activities. Response time is within 4 hours from receipt of call.</p> <p>E. SUPPLIER/CONTRACTOR shall serve as the single point of contact for the required maintenance of the x-ray</p>	



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	<p>machines (in case SUPPLIER/CONTRACTOR has no partner with various suppliers).</p> <p>F. SUPPLIER/CONTRACTOR shall supply the necessary spare parts for the purpose of restoring the equipment to their proper working condition.</p> <p>G. SUPPLIER/CONTRACTOR shall provide a Technical Staff on-site for software/hardware related trouble shooting and fixing.</p>	
1.	<p>CT Hand-Carry Baggage Inspection System TECHNICAL SPECIFICATIONS – 2 Units</p> <p>➤ General Specifications:</p> <ul style="list-style-type: none"> ▪ Shall have a standard maximum tunnel size of 620 mm (Width) x 420 mm (Height) ▪ Shall have a standard maximum Dimensions of L 2,700 mm x W 1,440 mm x H 1,750 mm (Adjustable) ▪ Shall have a maximum conveyor height of 840 mm (Adjustable) ▪ Shall have a maximum conveyor load capacity of not more than 135kg (Evenly Distributed) ▪ Shall have a maximum object width of 610 mm ▪ Shall have a maximum object height of 400 mm ▪ Shall have a minimum conveyor speed of 0.15 meter per second ▪ Shall have a Net Weight of 2,000kg (maximum) ▪ Shall have a Gross shipping weight of 2,300 kg (maximum) <p>➤ Image Quality Performance Specifications</p> <ul style="list-style-type: none"> ▪ Steel Penetration: 30mm minimum ▪ Wire Resolution: 32AWG minimum ▪ Spatial Resolution (Voxel size): 1mm³ minimum ▪ Material Separation: Low Z, Medium Z, High Z <p>➤ X-Ray Generator & Detector Specifications</p> <ul style="list-style-type: none"> ▪ Shall have an x-ray generator with an anode operating voltage of at least 160kV ▪ Dual-Energy technology and sophisticated algorithm providing the highest level of automatic detection of highly dense items as well as automatic detection of explosives based on the 	



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	<p>most stringent global regulatory requirement</p> <ul style="list-style-type: none"> ▪ Beam Orientation and Angle: Manufacturer’s Standard ▪ Operating Tube Current: Manufacturer’s Standard ▪ Cooling: Manufacturer’s Standard ▪ Number of Detectors: Manufacturer’s Standard <p>➤ Gantry Specifications</p> <ul style="list-style-type: none"> ▪ Type: Manufacturer’s Standard ▪ Rotating Speed: Manufacturer’s Standard ▪ Effective Slice Width: Manufacturer’s Standard ▪ Gantry Bearings: Manufacturer’s Standard ▪ Gantry Weight: Manufacturer’s Standard ▪ Power Transfer: Manufacturer’s Standard ▪ Data Transfer: Manufacturer’s Standard <p>➤ Power Ratings</p> <ul style="list-style-type: none"> ▪ Voltage Supply: 230 VAC +10%/-15% line to neutral single phase (or) 208 VAC phase to phase ▪ Current Supply: 20 amps ▪ Frequency: 50/60 Hz ▪ Phase: Single or Two ▪ Duty Cycle: 100% ▪ Power Consumption Operating Values: 2.1 kW <p>➤ Environmental Specifications</p> <ul style="list-style-type: none"> ▪ Storage Temperature: -7°C to 50°C ▪ Operating Temperature: 0°C to 40°C ▪ Relative Humidity: 10 to 90% non-condensing ▪ SYSTEM NOISE Sound Pressure Level: 70dBA Maximum <p>➤ Image Processing Information & Storage</p> <ul style="list-style-type: none"> ▪ Image Data Stored: Manufacturer’s Standard ▪ Video Memory Capacity (GB): Manufacturer’s Standard ▪ Color Depth (Bits): Manufacturer’s Standard ▪ Touchscreen: Manufacturer’s Standard ▪ Monitor Resolution (Pixels): Manufacturer’s Standard 	



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	<ul style="list-style-type: none"> ▪ Monitor Refresh Rate (Hz): Manufacturer's Standard ▪ Image Storage Capacity: 4 Manufacturer's Standard <p>➤ PC Specifications</p> <ul style="list-style-type: none"> ▪ Central Processing Unit (CPU): Manufacturer's Standard ▪ Random Access Memory (RAM): Manufacturer's Standard ▪ Hard Disk Drive (TB): Manufacturer's Standard ▪ Operating System: Manufacturer's Standard <p>➤ Protection Class</p> <ul style="list-style-type: none"> ▪ System: IP51 ▪ Operator Work Station: IP41 <p>➤ On – Screen Display</p> <ul style="list-style-type: none"> ▪ Multiple Languages Support: YES ▪ Machine Status: YES ▪ Operator Log In time: YES ▪ Baggage Counter: YES ▪ Operator ID: YES ▪ Date / Time Display: YES ▪ Automated Explosive Detection <p>➤ Image Processing Functions</p> <ul style="list-style-type: none"> ▪ Black and White: Changes the image display from color to greyscale mode where some objects/materials are easier to identify. ▪ High Density Material (Blue): Highlights high density materials only such as metals. Weapons like knives and guns can be identified in this view mode. ▪ Inorganic Material (Green): Highlights inorganic materials only. ▪ Organic Material (Orange): Highlights organic materials only. Explosives and narcotics can be identified in this view mode. ▪ Inverse: Reverses the color of the image on the screen. Thin wires used in explosive devices can be identified in this view mode. 	



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	<ul style="list-style-type: none"> ▪ Low Penetration: Low Penetration mode displays additional details of low-density objects in image. ▪ Surface Render: The surface render feature will show the external surfaces of scanned objects in photo like quality (greyscale only). Allows the identification of very low density objects as well as aiding in object recognition ▪ Dynamic Continuous zoom & pan: Dynamic Continuous Zoom allows stepless zoom of images on the screen. Panning provides the ability to move the zoomed frame to any area on the main display. ▪ Rotate / 3D: The image is displayed in full 3D and can be manipulated onscreen <p>➤ Software Features</p> <ul style="list-style-type: none"> ▪ Explosive Detection (Standard): Standard. ECAC EDS-CB C3 approved EDS algorithm. Allows the automated detection of potential explosive threats within scanned objects ▪ Automatic Image Archiving (Standard): Automatically archives every image scanned by the system on the hard drive. Once the storage limit is reached, the oldest images are overwritten by the newest images based on First-In-First-Out (FIFO) method. ▪ Manual Image Archiving (Standard): Allows the operator to manually archive selected images on the hard drive for retrieval and review at a later time. This feature stores the image on the local workstation ▪ Threat Image Projection (TIP): FTI TIP allows security supervisors to measure performance of operators while addressing the training needs of personnel by projecting random fictional threats over the actual X-ray images of scanned baggage or parcel. ▪ Operator Training Simulator: Optional external workstation which replicates the function of the operator workstation (PVS). Supplied with standard 975 training images. End users can create training image sets easily offline. Operator performance results are automatically recorded. 	



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	<ul style="list-style-type: none"> ➤ Accessories <ul style="list-style-type: none"> ▪ Secondary viewing station ▪ Operator presence foot mat ▪ Workstation podium ▪ External UPS (minimum 15mins back-up time) ▪ 3m Input & Output Roller Table ➤ Electrical Safety Compliance <ul style="list-style-type: none"> ▪ The equipment shall be compliant with all applicable equivalent international safety standards. ▪ FCC, IC: FCC 47CFR PART 15 CLASS A, ICES 001:06/2006 Class A ▪ CE Electromagnetic Compatibility: European Council Directive 2014/30/EU ▪ CE Machinery: European Council Directive 2006/42/EC ▪ CE Low Voltage: European Council Directive 2014/35/EU ▪ Int'l Electro Technical Commission: IEC61010-1, IEC61010-2-091, IEC60204-1, IEC61326-1, IEC61000-6-2, IEC61000-6-4, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC6100-4-6, IEC6100-4-11. ▪ European Standards (EN/ISO): EN ISO 12100:2010, EN 349:1993, EN ISO 13850:2008, EN ISO 13849-1:2015, ISO 13857:2008 ▪ Underwriters Laboratories (UL): Complies with UL61010-1 ▪ Canadian Standards Association (CSA): CSA C22.2 No. 61010-1 ➤ Radiation Safety Compliance <ul style="list-style-type: none"> ▪ Radiation emission leakages should be below the required regulatory limits with; ▪ Dose Per Inspection: 1386μSv (158mR) ▪ Leakage Radiation: Less than 1.0μSv/hr. at 100mm from all external surfaces ▪ Number of Radiation (X-ray On) Indicators: 2 	



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BAGONG PILIPINAS

Item	Specifications	Statement of Compliance
2	<p>CT Scanner for Checked-in Baggage and Parcel Inspection System TECHNICAL SPECIFICATIONS – 2 Units</p> <p>➤ General Specifications</p> <ul style="list-style-type: none"> ▪ The EDS system shall be modular in design, consisting of sections which shall have casters to allow easy final positioning of the equipment at site. ▪ The EDS system shall have a maximum DB output of no more than 70Db when in full operational mode. ▪ The EDS system shall have the inner tunnel walls free of catch point and have the same diameter across the entire length of the tunnel. ▪ The EDS X-ray machine shall not exceed 12kW when running at a sustained peak of 1800BPH (including cooling). ▪ The EDS system shall have a maximum power consumption of 13Kwh and typical running power at 9Kwh. ▪ The EDS X-ray machine heat generation shall be <41kBTU’s/hr (max). ▪ The EDS system shall occupy a floor area of no greater than 2210mm in width at its widest point and a maximum of 5100mm in length. ▪ The EDS system shall have a maximum point load of 16kg/cm2. ▪ The EDS X-ray machine shall not require any additional HVAC cooling solutions for the machine nor require connection to any existing airport cooling solutions to maintain operational performance. ▪ The EDS system shall utilize a built-in redundant AC cooling capability. ▪ Proposed EDS X-ray machine solution shall not exceed 6800kgs in total. ▪ Proposed EDS solution shall have a minimal tunnel opening of 1000mm (width) by 750mm to its highest point (high). <p>➤ Detection System</p> <ul style="list-style-type: none"> ▪ The EDS CT system shall utilize Non-Rotating Gantry technology. ▪ Then EDS solution shall have 0kg/N vibrational load in all directions, negating the transfer of 	



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	<p>force through existing and/or future structural steelwork.</p> <ul style="list-style-type: none"> ▪ The EDS solution shall continue to be ECAC Standard 3 approved, in EDS mode (not including 100% viewing mode) should one or more X-ray sources fail. ▪ The EDS solution X-ray dosage shall be <700μGy/bag. <p>➤ EDS Workstations</p> <ul style="list-style-type: none"> ▪ The EDS workstation(s) Graphical User Interface (GUI) shall be ICON based and have as a minimum: <ul style="list-style-type: none"> ▪ Status Bar – showing Bag countdown timer, Bag ID, Operator ID, Current time and date. ▪ Image view – The image view occupies the main window and shall be capable of displaying as default image the fully rendered 3D image with 2D slice images, 2D projection images and capability as secondary screening. ▪ Volume View – Objects identified by the automatic detection systems as alarms shall be marked in two ways. A box shall be drawn around each of the objects and the specific parts of the object that are alarmed are highlighted to indicate the type of alarm. ▪ Tool bar – Shall have the functions indicated via symbols for modifying the appearance of the image and identifying the potential threat bag. ▪ Slice view – the display monitor of the EDS workstation(s) shall be capable of being split into two windows, one displaying a 2D slice, the other a 3D volume rendering, some functions such as rotation, zoom shall be performed directly via direct manipulation of the image view, without having to access specialist tools in the toolset. It shall be possible to slice the 3D volume object along all 3 orthogonal directions (X, Y, Z). ▪ The EDS workstation toolbars and interactive graphics (data fields, Status bars, timers, command buttons, etc) shall be situated around the peripherals of the display. ▪ The interrogation of the 3D image shall be done by use of a mouse or joystick driven operation. 	



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	<ul style="list-style-type: none"> ➤ Regulatory <ul style="list-style-type: none"> ▪ The EDS system used shall be ECAC Standard 3 Approved at 0.5m/s. ▪ The EDS system used shall be TSA Standard 5.8 Approved at 0.5m/s. ▪ The EDS system shall be listed in TSA Air Cargo Screening Technology List (ACSTC) ➤ Image Analysis <ul style="list-style-type: none"> ▪ The default primary image for operation shall be the 3D image and level 2 decisions shall only be made after interrogation of the 3D image. ▪ Interrogation shall not be allowed on the 2D Image as such; the 2D Image shall not be accepted as the default primary image. ▪ The EDS machine shall have a voxel size of no greater than 1.5mm³ ➤ Performance <ul style="list-style-type: none"> ▪ The EDS machine shall be able to process bags up to 2600mm long. ▪ The EDS system shall maintain a continuous conveyor speed of 0.5m/s and support bag gaps as low as 100 mm. ▪ The EDS system shall have visual and audio indication of the system state and presence of critical error. ▪ The EDS system shall have PEC sensors that have relative self-adjusting set points to increase resilience to dust and dirt ingress. ▪ The EDS system shall have a System Start Up duration of <12 Minutes typically. ▪ The EDS system shall have an E-stop recovery duration of <1 Minute typically. ▪ The EDS shall be capable of accommodating multiple integration interfaces. ▪ The EDS system shall have a Designed Lifetime of 10 years ➤ Service <ul style="list-style-type: none"> ▪ Servicing of the EDS System shall only be performed from the sides and NOT from either above or either end of the EDS system. All tasks 	



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	<p>shall be conducted from floor/ground level.</p> <ul style="list-style-type: none"> ▪ The EDS solution shall not require any condense drain and shall manage any produced condense internally, without the need for human intervention or additional plumbing. ▪ The EDS solution shall be in no more than 3 sections to improve installation requirements. ▪ Proposed EDS solution shall have remote connectivity, enabling OEM supplier to remotely review and monitor the machine’s operational performance dynamically in real-time ▪ The supplier must be able to demonstrate ‘real-time’ on-line capability with reference to airports already using this capability for standard 3 EDS equipment. <p>➤ Human Machine Interface</p> <ul style="list-style-type: none"> ▪ The EDS system shall have a Human Machine Interface panel that can be sited on either the left or right of the machine. ▪ The HMI shall have username and password access to ensure only authorised operation. This password and username will also determine levels of access and operational control. ▪ Access to each main HMI function can be individually controlled by setting up of the access levels. ▪ The power up and shut down procedure for the EDS system shall be via the HMI and removable key. <p>➤ Health and Safety Requirements</p> <ul style="list-style-type: none"> ▪ The EDS system shall have the following design standards; <ul style="list-style-type: none"> ▪ IEC 61326-1 Class A EMC Emission and Immunity ▪ IEC 61000-6-2:2005 EMC – Industrial Immunity ▪ IEC 61000-6-4:2007 EMC – Industrial Emissions ▪ IEC EN 61010-2-091:2012 Electrical Safety ▪ IEC EN 61010-2-091:2012 Electrical Safety X-Ray Cabinet Systems ▪ BSN EN ISO 13850:2008 Safety of Machinery – Emergency Stops 	



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	<ul style="list-style-type: none"> ▪ IEC EN 60950-1 Electrical Safety, (IT Equipment only) ▪ FCC Title 47 CFR Part 15 RF Emissions (US) ▪ UK Ionising Radiations Reg 1999(IRR99) X-Ray Safety (UK) ▪ NFC 74-100 X-Ray Safety (FR) ▪ 21 CFR 1020.40 X-Ray Safety (US) ▪ 2004/108/EC EC Directive for EMC ▪ 2006/42/EC EC Machinery Directive ▪ 2006/95/EC EC Low Voltage Directive ▪ 96/29/EURATOM EC Radiation Directive 	
3	<p>Body Scanner Inspection System – 3 Units</p> <p>➤ General Specifications</p> <ul style="list-style-type: none"> ▪ Weight: Manufacturer’s Standard ▪ Footprint: Manufacturer’s Standard ▪ Height: Manufacturer’s Standard ▪ Capacity: Manufacturer’s Standard ▪ Relocation: Must be able to be relocated over short distances in 15-minutes, by one minimally trained person. (e.g., for building maintenance, temporary operations, service, etc.) ▪ Frame: Manufacturer’s Standard ▪ Anchors: Manufacturer’s Standard ▪ Water Damage: Base of unit can be submerged up to 4” without impacting operational performance <p>➤ Electrical</p> <ul style="list-style-type: none"> ▪ Outlets: Manufacturer’s Standard ▪ Voltage: Manufacturer’s Standard ▪ Current: Manufacturer’s Standard ▪ Tolerance: Manufacturer’s Standard ▪ Conditioning: Manufacturer’s Standard ▪ Power Outage: Manufacturer’s Standard <p>➤ Imaging</p> <ul style="list-style-type: none"> ▪ Grayscale: Manufacturer’s Standard ▪ Distortion: The x-ray beam must pass horizontally through the body to avoid image distortion. Specifically, no portion of the x-ray beam will deviate more than +/- 22 degrees from horizontal. 	



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	<ul style="list-style-type: none"> ▪ Quality: Must pass the ANSI/IEEE N42-47-2010 image quality standard for body scanners (wire detection, spatial resolution, through body performance, in air performance). ▪ Calibration: Manufacturer’s Standard ▪ Monitor: Manufacturer’s Standard <p>➤ Radiation Safety</p> <ul style="list-style-type: none"> ▪ Subject dose: Operator selectable doses of at least: 0.25, 0.50, 1.0 and 2.0 uSv per scan. ▪ Radiation area: The Inspection Zone, as defined in ANSI/HPS N43-17-2009, must be no larger than the footprint of the scanner. ▪ Operator Dose: Less than 0.01 uSv per scan at 2 meters from the scanner, at the highest setting. ▪ Shielding: The x-ray source and primary shielding, including beam collimation, must be compact for greater radiation safety, and in no case exceed 14” x 14” x 14” (36 cm x 36 cm x 36 cm). ▪ Source: The x-ray source must be hermetically sealed with all oil pumps and cooling assemblies contained internally. ▪ Interlock: System must utilize safety sensors or similar to assure that the subject is standing in the correct position while being scanned in order to minimize radiation dose as per ANSI/HPS N43.17-2009 and obtain best image quality and to eliminate the risk of inadvertent scans <p>➤ Operation</p> <ul style="list-style-type: none"> ▪ Installation: Installation must typically be completed within 2 hours. ▪ Machine Safety: All moving assemblies must be contained behind protective panels and inaccessible to both subjects and operators. ▪ Power on time: The scanner must be ready to scan within 3 minutes of turning on, regardless of how long the scanner has been off. X-Ray generator should not require warmup period ▪ No movement: The subject must remain motionless during scanning, and not be transported on a belt or platform. ▪ PA scanning: The subject must face away from the x-ray source during scanning, in compliance 	



Item	Specifications	Statement of Compliance
	<p>with the ANSI/HPS N43-17-2009 Radiation Safety Standard.</p> <ul style="list-style-type: none"> ▪ Scanning time: The scanner must acquire the image within four seconds or less. ▪ Vertical scan: The scan must be obtained by moving the x-ray source and detector vertically, to minimize image distortion, to pass the x-ray beam through the smallest thickness of body tissue, and to provide the most compact apparatus. ▪ Merged Photo: The scanner must acquire a photographic image of each person being scanned, and irreversibly merge the photo with the scanned image, thereby providing positive identification of the person's identity. <p>➤ Control Station</p> <ul style="list-style-type: none"> ▪ Physical: Manufacturer's Standard ▪ Connection: Manufacturer's Standard ▪ Controls: Manufacturer's Standard. ▪ Workstation: Manufacturer's Standard <p>➤ Software</p> <ul style="list-style-type: none"> ▪ Operating: Manufacturer's Standard ▪ Image types: Manufacturer's Standard ▪ Updates: Manufacturer's Standard ▪ Network: Manufacturer's Standard ▪ Connectivity: Manufacturer's Standard ▪ Faults: Manufacturer's Standard ▪ Image Store: Manufacturer's Standard ▪ Operators: Manufacturer's Standard 	
	<p>Additional Requirements:</p> <p>➤ The SUPPLIER/CONTRACTOR shall provide the x-ray machines with the following:</p> <ul style="list-style-type: none"> ▪ 1 Piece Radiation Dosimeter for the machine ▪ 5 Pieces of Personal Dosimeter for the users per unit <p>➤ Manuals:</p> <ul style="list-style-type: none"> ▪ At least two (2) copies per machine of the following Manuals (1 for the Operator and 1 for the XIP Head Office) shall be provided: 	



Item	Specifications	Statement of Compliance
	<ul style="list-style-type: none"> ▪ Machine Operation Manual ▪ Machine Maintenance and Specification Manual ▪ Safety Manual <p>➤ 24/7 After Sales Service Support System: The SUPPLIER/COTRACTOR shall provide the following After Sales Service Support as follows:</p> <ul style="list-style-type: none"> ▪ Assign default technical support agent for each service-related request from the client. ▪ Ensure that parts are available for immediate deployment to reduce downtime. ▪ Tracks the downtime of each service all when created and closed. ▪ Monitors preventive maintenance scheduled routine checks. ▪ Keep records and activities performed on each and every machine/equipment deployed. <p>➤ Warranty:</p> <ul style="list-style-type: none"> ▪ Three (3) year warranty on parts and services shall be provided for the x-ray machines and the vehicles where they are mounted. <p>➤ Preventive Maintenance: The SUPPLIER/CONTRACTOR shall deliver the following Preventive Maintenance Service and provide the following reports:</p> <ul style="list-style-type: none"> ▪ The scope of the On-Site Preventive Maintenance shall be as follows: ▪ Monthly general check-up of the equipment and hardware; ▪ Monthly general check-up of any program or software used in the operation of any equipment of hardware; ▪ Diagnostic routine within the system; ▪ The SUPPLIER/CONTRACTOR must have the capability to provide the following reports: ▪ Provide detailed service reports and documentation on all problems encountered in the machine, the parts replaced and the cost of all expenses incurred in providing the maintenance service. ▪ Incident report (if any). ▪ Site inspection report. ▪ Quarterly summary report 	



Item	Specifications	Statement of Compliance
	<p>➤ Other requirements:</p> <p>The SUPPLIER/CONTRACTOR shall comply with the following requirements:</p> <ul style="list-style-type: none"> ▪ Supplier/Contractor must be on a 24/7 on call basis to respond and address trouble within 3 hours upon notification of the BOC-XIP to minimize downtime ▪ Calibrations and preventive maintenance must be done on a monthly basis or consistent with the preventive maintenance schedules as provided by the SUPPLIER/CONTRACTOR during the warranty period. ▪ Adhere to manufacturer’s recommended testing and calibration. ▪ A comprehensive training package for all personnel assigned at the X-RAY Inspection Project shall be provided as follows: <ul style="list-style-type: none"> • Comprehensive operation and maintenance training package for all x-ray personnel shall be provided by the SUPPLIER/CONTRACTOR • Comprehensive training package on image analysis shall be provided for all x-ray personnel by the SUPPLIER/CONTRACTOR. • SUPPLIER/CONTRACTOR shall train all employees assigned at the X-Ray Inspection Project for five (5) days in the operation and maintenance of the machine and image analysis. ▪ Supplier must provide matrix of parts usage. ▪ The Supplier must have a Single Largest Completed Contract (SLCC) within the last 5 years and has completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least fifty percent (50%) in the case of non-expendable supplies and services or twenty-five percent (25%) in the case of expendable supplies] of the ABC for this Project. <p>Post Qualification and/or Acceptance Parameters</p> <ul style="list-style-type: none"> ▪ During the Post Qualification, the bidder with the lowest calculated bid undergoes verification and validation whether he has passed all the requirements and conditions as specified in the Bidding Documents. ▪ In Technical Acceptance Phase, the end-user shall conduct visual performance and function tests on the x-ray machines and on their prime movers to determine if the machines are working before they are delivered. 	



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	<p>CONFIDENTIALITY OF DATA</p> <ul style="list-style-type: none"> ➤ To ensure the confidentiality of all information that will come to the knowledge of the SUPPLIER/CONTRACTOR and its employees assigned to BOC, the SUPPLIER/CONTRACTOR and its employees assigned therein, shall undertake to uphold strict confidentiality of any and all information relating to these TERMS OF REFERENCE, including but not limited to IT infrastructure designation/configuration, workflow process, building layout and designs, XIP operation, and proprietary knowledge (“Confidential Information”). The SUPPLIER/CONTRACTOR and its employees shall take all reasonable steps to safeguard any and all Confidential Information and to protect it against disclosure, misuse, espionage, loss and theft. For this purpose, the SUPPLIER/CONTRACTOR shall be required to sign a non-disclosure agreement upon the execution of the contract. ➤ Any disclosure by the SUPPLIER/CONTRACTOR of any and all Confidential Information shall be deemed a breach of the contract under which the SUPPLIER/CONTRACTOR and its employees shall be liable for damages, without prejudice to other remedies which BOC may pursue under the law. Paragraphs 3.3, 3.3.1 and 3.3.2 shall survive the termination of the contract for any reason. 	

I hereby commit to comply and deliver the above requirements.

Name of Company (in print)

Signature of Company Authorized Representative

Name & Designation (in print)

Date



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