



Republic of the Philippines  
 Department of Budget and Management  
**PROCUREMENT SERVICE**  
**BIDS AND AWARDS COMMITTEE**



Supplemental/Bid Bulletin No. 1  
 05 July 2019

PUBLIC BIDDING No. 19-195-10

**Supply, Delivery, Installation, Testing and Commissioning of Final Check Type Dual View Baggage X-ray Machine with Tray Return System and Walk Thru Metal Detector**

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 bidder/s during the Pre-Bid Conference held on **June 28, 2019**.

**A. AMENDMENTS/INCLUSIONS**

REFERENCE		BASIS FOR AMENDMENT/INCLUSIONS
<b>SECTION VII. Technical Specifications</b> <b>Page 72</b>		
Physical (X-ray Unit)	Maximum System Dimensions: •Width 1500 mm. •Length <del>2600 mm.</del> •Height 1500 mm.	<ul style="list-style-type: none"> <li>To amend the Technical Specification as per End-user's reply dated July 04, 2019.</li> </ul>

**B. CLARIFICATIONS**

DETAIL		CLARIFICATION
<b>Letter from <sup>1</sup> Astrophysics</b>		
<b>SECTION VII. Technical Specifications</b>		
	<b>Page 71: Computer Specification Item C</b>	<del>The Technical Specification is retained as per End-user reply dated July 04, 2019.</del>
1	Operating System must be free and Open Source (LINUX).  For the Operating System, to require Manufacturer's Standard instead.	<i>We 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. 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</i>

<sup>1</sup> Email letter dated July 01, 2019

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.



		<p>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.</p>
2	<p><b>Page 72: Detection System</b></p> <p>No. of photo diodes (x-ray detectors): minimum of 1400 photo diodes x 2 sets (dual view).</p> <p>Requesting to change the minimum number of Photo Diodes from 1400 to 1200.</p>	<p><b>The Technical Specification is retained as per End-user reply dated July 04, 2019.</b></p> <p><i>A photodiode is one type of light detector used to convert the light into current or voltage based on the mode of operation of the device. We require higher number of photodiodes considering that the higher the number of photodiodes, the clearer the image resolution and for us to make sure that we get the machines that have the best image resolution for easier interpretation.</i></p>
<p><b>Letter from <sup>2</sup> Casedist</b></p>		
<p><b>SECTION VII. Technical Specifications</b></p>		
	<p><b>Page 71: Computer Specification Item C</b></p> <p>Operating System must be free and Open Source (LINUX).</p> <p>Clarification on why limit the option to x-ray machines operating on said operating systems. It is undeniable that not all security products manufacturers elect to use open source operating systems, in fact majority of the x-ray machines in the market today uses proprietary software and that is not mainly because of marketing purposes but also due to the inherent security the patented and proprietary software gives atop the user-friendliness of the widely used proprietary software (Windows) in the industry today.</p>	<p><b>The Technical Specification is retained as per End-user reply dated July 04, 2019.</b></p> <p><i>We 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. 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.</i></p>
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<sup>2</sup> Email letter dated July 02, 2019



2	<p><b>Page 72: Detection System</b></p> <p>No. of photo diodes (x-ray detectors): minimum of 1400 photo diodes x 2 sets (dual view).</p> <p>The x-ray machines with a number of photo diodes below the 1400 number (standard set for this bid project) produce the same effective penetration and resolution requirements. Recommendation that 1400 should instead to set as the maximum quantity of photo diodes.</p>	<p><b>The Technical Specification is retained as per End-user reply dated July 04, 2019.</b></p> <p><i>A photodiode is one type of light detector used to convert the light into current or voltage based on the mode of operation of the device. We require higher number of photodiodes considering that the higher the number of photodiodes, the clearer the image resolution and for us to make sure that we get the machines that have the best image resolution for easier interpretation.</i></p>
3	<p><b>Page 72: Physical (X-ray Unit) Maximum System Dimensions</b></p> <ul style="list-style-type: none"> <li>• Width 1500 mm.</li> <li>• Length 2600 mm.</li> <li>• Height 1500 mm.</li> </ul> <p>The above cited project includes the incorporation of a tray return systems with x-ray machine which is clearly stipulated within 15 meters together in length. We take note of the stated requirement above as seemingly irrelevant as the deficit or excess in the machine's length can be offset by the specified total length of the ATRS. We suggest that a minimum length should be set forth instead of a maximum requirement.</p>	<p><i>We agree to the observation.</i></p> <p><i>The x-ray unit's Length is not required anymore provided the system's total length (which includes the Tray Return System) does not exceed 15m.</i></p>
<p><b>Letter from <sup>3</sup> Guard-all Electronic Security Systems Inc.</b></p>		
1	<p>For this Public Bidding, our company intends to undertake Joint Venture Partnership with X-ray manufacturer from Italy (Europe). What are the required documents to be submitted by the foreign partner? Please note that the purpose of the JV is to comply with the Single Largest Contract requirement only.</p>	<p>Please refer to:</p> <ul style="list-style-type: none"> <li>- ITB Clause 5. Eligible Bidders (page 12)</li> <li>- <del>ITB Clause 12. Documents Comprising the Bid: Eligibility and Technical Components (page 17)</del></li> <li>- "Annex E". Joint Venture Agreement Form (page 99)</li> </ul>
2	<p>Is Omnibus Certification acceptable in lieu of numerous certifications required to be issued by the manufacturer (items 1&amp;2)? And also by the Local Supplier.</p>	<p>Yes, Omnibus Certification is acceptable in lieu of the numerous certifications required to be issued by the Manufacturer and Local Supplier provided that it must be signed by</p>

<sup>3</sup> Email letter dated July 02, 2019



		their respective authorized representative and notarized (items 1 and 2)
3	We discussed Section VI- Schedule of Requirements to the X-ray manufacturer and according to them production lead time for 12 Sets X-ray Machines and 12 Sets Automatic Tray Return Systems (ATRS) is about 100 to 120 calendar days. In addition, based on experience, shipping from Italy to Port of Manila is about 40 to 45 days. In view of the foregoing, may we request that the Delivery Period be changed from 150 to 220 calendars.	<b>The Schedule of Requirements is retained as per End-user reply dated July 04, 2019.</b>  <i>No. We cannot extend the delivery period due to the implementation of the Department of Budget and Management (DBM) Cash-Based Budgeting.</i>
	<b>Section VII Technical Specifications</b> X-Ray Generators Anode voltage minimum: 160 kV cp (operated)	<b>The Technical Specification is retained as per End-user reply dated July 04, 2019.</b>  <i>We disagree. All X-ray machines purchased by OTS and currently deployed around Philippine airports has x-ray generators with an anode voltage of 160KV. The specifications have been the standard used by OTS considering its effectiveness in the screening checkpoint. The same standard has been used by the U.S. Transportation Security Administration as our baseline on equipment performance. Generally, the higher the anode voltage, the higher the performance capability or efficiency of the machine.</i>
4	Our machine's X-ray Generator tube voltage is 150kV with the tube current of 0.5mA only. May we request to lower it to become minimum 150kV. At any rate, it is safer to environment and operator, will result to more power savings with the very low tube current of 0.5mA, but still meets useful penetration of 35mm, wire resolution of 41AWG and spatial resolution of 1mm.	
	<b>Section VII Technical Specifications</b> <b>Detection System</b>	<b>The Technical Specification is retained as per End-user reply dated July 04, 2019.</b>
5	No. of photo diodes (x-ray detectors): minimum of 1400 photo diodes x 2 sets (dual view).  Our machine has photodiode for each array lower than 1400. May we request to amend it as "maximum 1400 photodiodes" instead of minimum.	<i>A photodiode is one type of light detector used to convert the light into current or voltage based on the mode of operation of the device. We require higher number of photodiodes considering that the higher the number of photodiodes, the clearer the image resolution and for us to make sure that we get the machines that have the best image resolution for easier interpretation.</i>
6	<b>Section VII Technical Specifications</b> <b>Physical (X-ray Unit)</b> <b>Maximum System Dimensions</b>	<i>We agree to the observation.  The x-ray unit's Length is not required anymore provided the system's total length</i>



	<ul style="list-style-type: none"> <li>• Width 1500 mm.</li> <li>• Length 2600 mm.</li> <li>• Height 1500 mm</li> </ul> <p>Our machine's length end to end of conveyor is 2680mm. May we request to adjust a little. Width and Height are within the range.</p>	(which includes the Tray Return System) does not exceed 15m.
7	For the proof of completion of single largest contract as identified in the Statement of Single Largest Contract, we request that the Certificate of Satisfactory Completion will suffice as attachment to the copy of contract or purchase order.	Please refer to Bid Data Sheet Clause 29.2 Item No. 1. (page 42)
8	Due to possible Joint Venture Partnership with Italian X-ray Manufacturer, we humbly request that bid submission be moved to July 26, 2019 to give us ample time to prepare documents coming from overseas.	<p><b>The Schedule of Requirements is retained as per End-user reply dated July 04, 2019.</b></p> <p><i>No. We cannot extend the delivery period due to the implementation of the Department of Budget and Management (DBM) Cash-Based Budgeting.</i></p>
<p><b>Letter from <sup>4</sup> Guard-all Electronic Security Systems Inc.</b></p>		
<p><b>Section VII Technical Specifications</b></p>		
	<p><b>Computer Specification Item C</b></p> <p>Operating System must be free and Open Source (LINUX).</p> <p>Please note that other LINUX is unique to just a couple of x-ray manufacturers (Smiths &amp; Heimann as well as Control Screening) but other manufacturer employs WINDOWS whose machines are equally capable or better in meeting the needs and application in the screening of hand carried objects .</p> <p>In this regard may we respectfully request the BAC to open said requirement to include other OS such as WINDOWS or simply adopt manufacturer's standard Operating System.</p>	<p><b>The Technical Specification is retained as per End-user reply dated July 04, 2019.</b></p> <p><i>We 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. 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</i></p>
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<sup>4</sup> Email letter dated July 02, 2019



		<i>other user-interface components.</i>
2	<p><b>Physical (X-ray Unit)</b>  Keyboard type: Push button type only. Track ball and Touch pad not acceptable</p> <p>In this regard may we respectfully request the BAC to open said requirement or to adopt manufacturer's standard Control System.</p>	<p><b>The Technical Specification is retained as per End-user reply dated July 04, 2019</b></p> <p><i>We maintain the original requirement of pushbutton only. Trackball and touchpad keyboards are susceptible to early wear and tear and system lag for touchscreens. Pushbutton keyboards allow X-ray operators to focus on the interpretation of the scanned image projected on the monitor screen since the keys have assigned fixed functions thereby increasing throughput.</i></p>

By Rule, all other related provisions in the Bidding Documents correspondingly affected by these amendments are likewise deemed amended to conform to this Bid Bulletin.

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

**SGD**  
**ENGR. PABLO ROMAN C. ANDRES**  
*Chairperson, PS BAC X*