



MARITIME INDUSTRY AUTHORITY

**SUPPLY, DELIVERY AND INSTALLATION OF
WALK-THROUGH METAL DETECTOR AND X-RAY BAGGAGE SCANNER**

PUBLIC BIDDING NO. 2019-16

SUPPLEMENTAL/BID BULLETIN NO. 02

The MARINA Bids and Awards Committee (BAC) hereby clarifies/modifies the following provisions of the bidding documents relative to the above-mentioned project:

REFERENCE	CLARIFICATION/ MODIFICATION
<p>TERMS OF REFERENCE</p> <p>VI. Technical Specification</p> <p>2. X-RAY BAGGAGE SCANNER</p> <ul style="list-style-type: none">• Shiny clear images• Single-energy penetration system ($\geq 6\text{mm}$)• New x-ray protection technology• EI-TIP (Threat Image Projection) function• Any selection of the image magnified area• Collection the high-speed parallel of detection data• Movable machine with integrated structure• Support JPG & BMP image transformation format to USB• Sophisticated design with multi-functions operator interface• High- resolution (40AWG diameter 0.0787mm tinned copper)• Minimum size of Tunnel : 500mm (W) x 300mm (H) • Conveyor Speed : 0.2m/s• Conveyor Height : 730mm• Max. Load : 100kg (Evenly distributed)• Resolution Typical : 40AWG Standard: 38AWG • Penetration : $\geq 6\text{mm}$ steel• Image Resolution : 17" LCD 1280x1024• Display : Pseudo-color and Black & White• Processing Function : edge enhancement, negative, gray scale scan• Saves Capacity & Pull Back : 100,000 images / infinite review• Resolution : 1280x1024• Processing & Gray Scale : 24Bit real-time processing/8192• Anode Voltage : 160 KV (adjustable)• Beam Direction : From bottom• Cooling & Running Cycle : Sealed oil cooling & 100%• X-Ray Sensor : Single-energy L photoelectric Diode array	<p><i>Modification/additional requirements.</i></p> <ul style="list-style-type: none">• Conveyor Speed: minimum 0.2m/s • Penetration: minimum 6mm Steel • 1-Meter exit roller table

Clarifications/modifications made herein shall be considered as amending the other parts of the Bidding Documents referring to or relating to the same matter and shall be considered an integral part of the Bidding Documents.

Sgd.
ARSENIO F. LINGAD II
Chairperson
MARINA Bids and Awards Committee