

TERMS OF REFERENCE

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

I. Background

The Maritime Industry Authority (MARINA) is a government agency established pursuant to Presidential Decree No. 474 and attached to the Department of Transportation (DOTr). In compliance with Republic Act. No. 9184 known as the “Government Procurement Reform Act”, the MARINA will be conducting a public bidding for the Supply, Delivery and Installation of walk-through metal detector and x-ray baggage scanner for the MARINA Central Office.

II. Objective

To enhance security measures at the MARINA Central Office Building by providing an X-Ray Baggage Scanner and Walkthrough Metal Detector necessary to detect metals with precision and efficient operations for the safety and security of all clients, guests, and employees.

III. Approved Budget for the Contract

The Approved Budget of the Contract (ABC) is Two Million Nine Hundred Eighty-Two Thousand Pesos (PhP2,982,000.00), inclusive of VAT and other applicable government taxes to be charged against the 2019 GAA.

IV. MARINA Requirements

In addition to the provisions of RA 9184 and its IRR, the following are the MARINA requirements:

1. The bidder/s must be continuously operating in the Philippines for the past three (3) years;
2. The bidder/s must be an ISO 9001:2015 Certified;
3. The bidder must be an Information and Communication Technology (ICT) company with Contractors license issued by Philippine Contractors Accreditation Board (PCAB) in all of the following:
 - a. General Building
 - b. Communication Facilities
 - c. Electrical Works
 - d. Mechanical works
 - e. Fire Protection works
 - f. Air-conditioning and Refrigeration works
4. The bidders must have no pending case(s) against the government.

V. Deliverables

1. One (1) Walk-through metal detector, to be installed at Lobby (2nd floor)
2. One (1) x-ray baggage scanner, to be installed at Lobby (2nd floor)

VI. Technical Specifications

1. WALK-TROUGH METAL DETECTOR

- Passageway Interior Size
 - Width : 30" (0.76 m)
 - Height : 80" (2.03 m)
 - Depth : 23" (0.58 m)
- Overall Exterior Size
 - Width : 35" (0.90 m)
 - Height : 87" (2.21 m)
 - Depth : 23" (0.58 m)
- Sensitivity : up to 200 distinct sensitivity level
- Zone indications : 33 independent zones
- Overhead Control Unit : alarm light, LED bar graph, control touch pad
- Weatherproofing : Meets IP 55, IEC Standard
- Tamper-Proof Setting : Three (3) access level of security clearance
- Advanced broadband technology
- Multi-brand compatibility
- Universal wait and proceed symbols at the detector entrance for traffic controls
- Advanced networking
- Dual-sided detection

2. X-RAY BAGGAGE SCANNER

- 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 1280×1024
- Display : Pseudo-color and Black & White
- Processing Function : edge enhancement, negative, gray scale scan
- Saves Capacity & Pull back: 100,000 images / infinite review
- Resolution : 1280×1024
- 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

VII. Delivery Schedule

1. One hundred (100) days upon receipt of the Notice to Proceed (NTP);
2. Deliveries should be made within office hours and on regular working days on or before the stipulated date in the contract unless otherwise specified for valid reason why the same cannot be complied with;
3. MARINA shall impose penalty of 1/10 of 1% of the total value of the undelivered order for each day of delay as liquidated damages after the specified allowable number of days to deliver the units.

VIII. Other Requirements

One (1) year warranty on parts and labor.

IX. Inspection and Acceptance

1. After Sales Service and Support during the warranty period, all reported defects shall be completely/satisfactorily repaired/replaced by the winning bidder/supplier.
2. The MARINA shall have the right to reject and return the unit(s) and cancel the corresponding Contract if units delivered are defective, incomplete or noncompliant to the specifications herein specified.

X. Terms of Payment

The payment shall be done within thirty (30) working days upon submission of complete documents including, delivery, testing and upon issuance of Inspection and Acceptance Report by the authorized/designated representatives of MARINA.