



## **NOTICE REQUESTING FOR REPEAT ORDER**

The Philippine Ports Authority, through its Bids and Awards Committee for Goods and Consultancy Services (BAC-PGCS) and as per request of the end-user, intends to procure additional Six (6) units of body scanning machines, through Repeat Order, as an Alternative Method of Procurement. The objectives and description of the equipment is hereto attached as Annex "A."

The Approved Budget for the Contract (ABC) as per approved 2022 Annual Procurement Plan is Ninety Million Pesos (P90,000,000.00).

The Repeat Order shall be governed by the 2016 Revised Implementing Rules and Regulations – Annex H of R.A. 9184 and has followed all the conditions prescribed under such method of procurement, as follows:

- a) The goods were procured under a contract previously awarded through Competitive Bidding;
- b) Unit prices must be the same as or lower than those in the original contract, provided that such prices are still the most advantageous to the government after price verification;
- c) The repeat order will not result in splitting of contracts, requisitions, or purchase orders, as provided in Article IV(B) of the Guidelines;
- d) Except in cases duly approved by the GPPB, repeat orders shall be availed of only within six (6) months from the date of the NTP arising from the original contract, provided that there has been a partial delivery, inspection and acceptance of the goods within the same period;
- e) Repeat orders shall not exceed twenty-five (25%) of the quantity of each item in the original contract. In order not to exceed the 25% threshold, the goods under the original contract must be:
  - i. Quantifiable;
  - ii. Divisible; and
  - iii. Consisting of at least four (4) units per item.

  
**MARK JON S. PALOMAR**  
Chairperson, Head Office Bids and Awards Committee  
for Goods and Consultancy Services (HO-BAC-PGCS)

# **SUPPLY, DELIVERY AND INSTALLATION OF BODY SCANNING MACHINES (REPEAT ORDER)**

This Terms of Reference (TOR) provides the technical description and other terms and conditions for the Supply, Delivery and Installation of Body Scanning Machines for use of the Philippine Ports Authority Port Management Offices under Alternative Mode of Procurement (Repeat Order).

## **1. OBJECTIVES**

With the growing need for tighter security measures in gateway ports in the country, the Philippine Ports Authority requires an additional six (6) units body scanning machines. These machines are to be used for screening people for possible carriage of contrabands, weapons, narcotics, and explosives.

We aim to secure units of body screening equipment that can be transferred from one location to another as the need arises. The units shall be able to screen individuals and detect metallic and non-metallic objects concealed under clothing.

## **2. SCOPE OF SERVICES**

Each set comprises the following:

- Passive MMW Imaging System
- Mobile Operator Station

Each set shall be delivered to the following ports/terminals:

1. PMO Mindoro (2)
2. PMO Batangas (4)

## **3. PROJECT DESCRIPTION**

### **3.1 Approved Budget for the Contract**

The Approved Budget for the Contract is Ninety Million Pesos (Php 90,000,000.00).

### **3.2 Description/Function:**

- a. The equipment should be a complete, turnkey solution showing real time images of both Passive MMW and Optical simultaneously.
- b. The Imager of the passive body scanner must be able to detect threat items (weapons) or contraband (drugs or money) hidden upon the person under multiple layers of clothing in real time. Minimum resolution of 5cm x 5cm at 3 meters distance on a stationary subject.

#### 4. TECHNICAL SPECIFICATIONS

##### 4.1 Passive MMW Imaging System

- Weight: 24kg / 53lbs
- Power consumption: 90 W
- Operating voltage: 90V AC – 264V AC, 47-63 Hz
- Mounting options: Floor stand, wall or ceiling bracket, Mobile Operator Station
- External connections: Mains AC (power), Ethernet (data)
- Dimensions: 660 x 546 x 213mm, 26.0 x 21.5 x 8.4in
- Ambient air operating temperature: 5°C to 28°C (41°F to 82°F)
- Ambient environment: Indoors, dry and preferably air conditioned location
- Relative humidity: Max 85% RH, non-condensing
- Storage temperature: 0°C to 55°C (32°F to 131°F)
- Environmental rating: IP52 (NEMA rating of 5, 12 and 12K)
- Screening distance: 3 to 8m (10 to 24ft)
- Screening field of view @ 4.5m (h x w): 1.50 x 0.80m (59.0 x 31.5in)
- Screening camera type: 250 GHz passive sensing camera
- Screening camera frame rate: Fixed 6 frames per second
- Optical camera type: Colour SD IP video camera
- Approvals: CE, EN55022, EN55024, ETSI EN 300 019-2-2
- Power on to operational: Under 10 mins

##### 4.2 Mobile Operator Station

- Weight: 31 kg (68 lbs) typically, 58 kg (128 lbs) including TS4 and laptop PC
- Power consumption: Less than 175 W
- Operating voltage: 90 V AC – 264 V AC, 47/63 Hz
- External connections: Mains AC (power), Ethernet (data)
- Dimensions:
  - Height: 1000mm (40 in)
  - Width: 490mm (19 in)
  - Depth: 750mm (30 in)
- Operating temperature range: 5°C - 35°C (41°F - 95°F)
- Operational environment: Indoor, dry and air-conditioned location

## **5. GENERAL REQUIREMENTS**

5.1 Mobility. The equipment shall operate without compromising people's throughput. It shall be small enough to allow mobility and transport to other areas with the use of a trolley, on which the laptop shall also be placed.

5.2 Virtual Detection. The equipment shall be capable of screening individuals with full height view, either by standing/turning in front of the unit, or by walk-through.

The equipment must be able to detect virtually any material, and can segregate threat items or contrabands hidden upon the person under layers of clothing. Particularly, the x-ray must be able to detect metals, plastics, ceramics, liquids, gels, and powders.

5.3 Mass Screening. The equipment must be able to screen at least five (5) persons simultaneously.

5.4 Power Source. In the event of a power failure, the body scanner must be able to work using reserved battery power.

5.5 Safety and Privacy. Body screening must be non-invasive. It should not capture or record intimate body details. The machine shall not capture anatomical details of persons. The images captured shall only show silhouettes of the detected items.

The amount of radiation that the x-ray equipment emits, if any, must be safe for human exposure. It must not have harmful effects to the individuals surrounding the equipment.

5.6 Other nuisance. The equipment shall be able work despite any other alarms/nuisance within the area of deployment.

5.7 Operator Assistance. The system must have an operator-assist function to highlight potential objects of interest.

5.8 Live Streaming Capability. The system must allow live streaming from the deployed unit to a central command center or an authorized mobile device using LAN/ADSL, Wi-Fi, or 3G/4G network. Live streaming must be achievable at bandwidths below 15 kbps.

## 6. DELIVERABLES AND PAYMENT

Payments shall be released to the Supplier after completion of each activity, as indicated below:

	ACTIVITY	DELIVERY/ COMPLETION	PERCENTAGE OF CONTRACT PRICE
1	Delivery and Inspection of Body Scanning Machines at the PPA Head Office	Delivery and Inspection at the PPA Head Office within 60 calendar days from the receipt of the Notice to Proceed	65%
2	Delivery, Installation and Acceptance of Body Scanning Machines at designated Ports/Terminals	Delivery, Installation and Acceptance of Body Scanning Machines at designated Ports/Terminals within 60 to 120 calendar days from the receipt of the Notice to Proceed	35%

The actual amount corresponding to each percentage shall be indicated in the contract after determination of the total contract price.

For the release of the subject amounts, the Supplier shall bill PPA accordingly and present the required documents for payment.


## 7. WARRANTY

7.1 Warranty certificate: manufacturer's warranty certificate for all the components is to be delivered under tender for not less than twelve (12) months from the date of final acceptance.

7.2 Warranty repair/replacement: for any discrepancy or defect in the unit and all their components during operation within the warranty period, the supplier shall be responsible to rectify the defects and replace the units with defects within thirty (30) days from the date of reporting at their own expense.

7.3 The Supplier shall warrant the availability of spare parts for a period of at least five (5) years from the purchase of the subject units.

In case the product fails to perform according to its specification during operation within the warranty period, the reporting/replacing period shall be extended with warranty period. The warranty shall be covered with all the components.

  
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