

# Supply, Installation, Commissioning & Testing of X-ray Luggage Scanner

Quantity: 01 Set  
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## SCOPE OF WORK

- a. The Bidder is to supply, installation, commissioning and Testing of 01 (One) set of Single View X-ray Luggage scanner with computer, monitor and UPS.
- b. Bidder needs to arrange Approval & Registration from Bangladesh Atomic Energy Commission when installation & commissioning will be completed. All related cost will be included with the offer price.

## PHYSICAL SPECIFICATIONS

Tunnel Size	: 1000 mm (W) x 1000 mm (H) (Min <sup>m</sup> )
Conveyor Speed	: 0.20 m/sec (Min <sup>m</sup> )
Conveyor Height (Approx.)	: ≈ 700 - 850 mm

## ENVIRONMENT & POWER

Operating temperature	: 0°C to 40°C
System Power	: 240VAC ±10%, 50 Hz with On-line UPS; UPS capable of providing uninterruptible power for whole system operation: Min <sup>m</sup> 2 hours in case of main power failure

## X-RAY GENERATOR

Anode Voltage	: 160-170kV (Operating)
Orientation	: Upward or Downward

## PERFORMANCE

Steel Penetration	: 35 mm (Min <sup>m</sup> )
Wire Resolution	: 38 AWG (Min <sup>m</sup> )

## COMPUTER & DISPLAY

Platform	: Windows OS, 64-bit/ Linux OS (With Licensed Software)
Processor   Memory	: Intel® Core i5, 3.1 GHz, 6 MB cache or better   4 Gb RAM at 1333 MHz or better
Storage   Video card	: 1 TB HDD or better   1 GB Dual Digital Display or better
Display Type	: 19 inch Flat Panel Color Monitor (Min <sup>m</sup> )
Display Resolution	: 1280 x 1024, 24 bit/pixel color (Min <sup>m</sup> )

## HEALTH & SAFETY

Compliance	: USFDA & equivalent International regulatory agency compliance for X-ray systems; Bidder should provide necessary supporting documentation with the bid.
Radiation Leakage tolerance	: < 0.5 mR/hr (5 μSv/hr) (as permitted by US Federal Standards)

## FEATURES

Threat Image Projection (TIP); 4 Color Imaging (Min<sup>m</sup>); Organic/ Inorganic Imaging; Reverse Monochrome; Zoom (9 Quadrant Zoom (Min<sup>m</sup>), Continuous Zoom upto 64x, Vertical Zoom Panning); Automatic Image Archiving; Save Image, JPEG Conversion & Print Image Capable; Manual Scan etc.

## ACCESSORIES

- Color Laser Printer (Model: HP Pro M454dw Single Function Color Laser Printer)
- 1000 mm Entry and 1500 mm Exit Rollers (Min<sup>m</sup>) with table
- All necessary accessories for smooth system operation
- All necessary Monitor related accessories
- All Conveyor accessories

## COUNTRY OF ORIGIN

: Japan/ France/ Germany/ UK/ USA

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## QUALIFICATION CRITERIA

- a. A satisfactory supply, installation and commissioning of at least 02 (Two) similar items in renowned organization over the period of last 05 (Five) years shall be required. All relevant documents (Proper completion certificate, organization detail etc.) should be submitted with the bid.
- b. Valid manufacturer authorization certificate should be provided with the bid.
- c. Manufacturer shall be ISO-9001 compliant & bidder should provide necessary supporting documentation with the bid.
- d. The bidder shall have local office to provide after sales service/ maintenance assistance facility for the item. Bidder should also provide supporting documents proving the existence of local office.
- e. Catalogue/ brochure/ datasheet, operational/ maintenance manual (in English) should be submitted by the successful bidder.
- f. Bidder must provide min<sup>m</sup> 01 year Warranty with replacement of any parts without charge.

## TRAINING

Successful Bidder shall provide necessary training session for ERL personnel for proper operation, troubleshooting and maintenance (Training duration: 01 (One) day (Min<sup>m</sup>)).