



**Embassy of India Riyadh,
Saudi Arabia**

www.eoiriyadh.gov.in

Tender for supply and Installation of an X-ray Baggage Scanner to Embassy of India Riyadh.

Tender No.: RIY/ESTT/815/01/2025

Date: 13th July 2026

Last date for submission of bids: 6th August 2026

**Embassy of India Riyadh
B-1, Diplomatic Quarter
Post Box no. 94387
Riyadh-11693.**

Dated: 13.07.2026

NOTICE INVITING TENDER

Embassy of India, Riyadh invites Tender under two bid system from registered and authorized firms/service agencies for supply and Installation of one-unit X-ray Baggage Scanner to the Embassy of India, Riyadh, Saudi Arabia.

2. The tender document can be downloaded from the websites <https://eprocure.gov.in/epublish/app> or <http://www.eoiriyadh.gov.in> **from 13 July to 06 August, 2026.** **No tender fee will be charged for the tender documents.** In case, a firm has downloaded the tender document from the official website of the Embassy of India, Riyadh, i.e. www.eoiriyadh.gov.in, please note that any corrigendum/addendum in the above tender document, if required, will be hosted in the website of Embassy of India Riyadh as given above.

3. The interested firms/service agencies should submit the bids in two separate sealed covers, superscribed as "Technical Bid" and "Financial Bid". Both sealed covers should be put in a single large envelope superscribed as **"Tender No.RIY/ESTT/815/01/2025 for supply and Installation of one unit X-ray Baggage Scanner"** and addressed to "Head of Chancery, Embassy of India, B-1, Diplomatic Quarter, Riyadh- 11693. The envelope should then be dropped at the Reception of the Embassy of India Riyadh at the address given above. Please note that tender document will not be accepted after the expiry of stipulated date and time for the purpose under any circumstances.

4. The Earnest Money Deposit (EMD) of **SR 6000/- (SR Six thousand only)** in the form of Account Payee Demand Draft/Bankers Cheque/bank guarantee/bank transfer drawn in favor of **"Embassy of India Riyadh"** is required to be submitted along with tender bids. Bids shall not be considered in case the EMD is not submitted and would be rejected summarily. The EMD of unsuccessful bidder will be returned within 30 days after the finishing of job. The EMD will be forfeited in case the bidder withdraws his bid during the period of bid validity or in case of a successful bidder, the selected bidder fails to supply the Scanner in time or furnishing of any wrong information.

5. The Technical Bids will be opened on **10.08.2026** at 1500 hrs by a Committee authorized by the Competent Authority of the Embassy of India, Riyadh. The financial bids of only those bidders, whose Technical Bids are found responsive, shall be opened by the Committee authorized for the purpose.

6. The Competent Authority reserves the right to reject any or all the bids, or cancel the tender, without assigning any reason and the decision of the competent authority of the Ministry shall be final and binding.

(Rishi Tripathi)
Head of Chancery
00966-11-4884206

DATES TO REMEMBER

Sl. No.	Events	Date
1.	Tender Publish Date	13.07.2026 (at 0900 hrs)
2.	Bid submission end date	06.08.2026 (up to 1700 hrs)
3.	Opening of Technical Bids	10.08.2026 (at 1500 hrs)*
4.	Opening of Financial Bids (of only those who qualify in the minimum eligibility criteria)	Date to be intimated later

***Note: "The bids will be opened at Embassy of India Riyadh.**

LETTER OF BID

(Annexure I)

Dated:

To,
Shri. Rishi Tripathi
Head of Chancery
Embassy of India Riyadh
B-1, Diplomatic Quarter
Riyadh - 11693

Ref: Invitation for Bid No. RIY/ESTT/815/01/2025 dated 13th July 2026.

We, the undersigned, declare that:

We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders,

2. We offer to execute in conformity with the Bidding Documents for supply and Installation of one-unit X-ray Baggage Scanner at Embassy of India, B-1, Diplomatic Quarter, Riyadh.
3. Our bid shall be valid for a period of **90 days** from the date fixed for the bid submission deadline in accordance with the Bidding Documents and shall remain binding upon us and may be accepted at any time before the expiry of the period.
4. We also declare that the Government of India or any other Government body has not declared us ineligible or blacklisted us on charges of engaging in corrupt, fraudulent, collusive or coercive practices or any failure/lapses of serious nature.
5. We also accept all the terms and conditions of this bidding document and undertake to abide by them, including the condition that you are not bound to accept highest ranked bid/lowest bid or any other bid that you may receive.

Yours sincerely,
Authorized Signatory

Full Name and Designation
(To be printed on Bidder's letterhead)

1. **GENERAL INSTRUCTIONS**

- 1.1 For the Bidding/Tender Document Purposes, the Embassy of India Riyadh shall be referred to as 'Client' and the Bidder/Successful Bidder shall be referred to 'Contractor and / or Bidder or interchangeably.
- 1.2 The tender document can be downloaded from the websites of <https://eprocure.gov.in/epublish/app> or <http://www.eoiriyadh.gov.in> on 13.07.2026 onward. The last date of submission of bids is **06 August 2026 till 1700 hrs.**
- 1.3 While all efforts have been made to avoid errors in the drafting of the tender documents, the Bidder is advised to check the same carefully. No claim on account of any errors detected in the tender documents shall be entertained.
- 1.4 All Bidders are hereby explicitly informed that conditional offers or offers with deviations from the conditions of Contract, the bids not meeting the minimum eligibility criteria, Technical Bids not accompanied with EMD of requisite amount/format, or any other requirements, stipulated in the tender documents are liable to be rejected.
- 1.5 For all purposes of the contract including arbitration there under, the address of the bidder mentioned in the bid shall be final unless the bidder notifies any change of address by a separate letter sent by registered post with acknowledgment due to the Embassy of India Riyadh. The bidder shall be solely responsible for the consequences of any omission or error to notify any change of address in the aforesaid manner.
- 1.6 **Timeline**
The supply and installation must be completed within **04 weeks**, after placement of purchase order.
- 1.7 **EARNEST MONEY DEPOSIT (EMD)**
The Earnest Money Deposit of SR **6,000/-** (SR Six thousand only) in the form of account Payee Demand Draft/Bankers Cheque/bank guarantee/bank transfer issued by any reputed Bank drawn in favor of **"Head of Chancery, Embassy of India, Riyadh"** has to be submitted along-with the bid.
- Bidders shall not be permitted to withdraw their offer or modify the terms and conditions thereof. In case the bidder fails to observe and comply with the stipulations made herein or backs out after quoting the rates, the aforesaid bid security (EMD) shall be forfeited to the government or will render the bidder ineligible to submit bids for contracts with the Embassy of India, Riyadh.
- 1.8 **PERFORMANCE GUARANTEE**

The successful bidder is required to submit a 10% of contractual amount before the commencement order is given and within 10 days of signing the final agreement. The guarantee amount in full or part may be forfeited in the following cases:

- (i) When the terms and conditions of the contract are breached.
- (ii) When the service provider fails to comply with minimum service levels agreed upon.

Failure of the service provider to comply with statutory requirements shall constitute sufficient grounds for annulment of the award and forfeiture of service guarantee.

1.8 PERIOD OF VALIDITY OF BIDS

Bids shall remain valid and open for acceptance for a period of **90 days** from the last date of submission of Bids. The client may request for **extension for another period of 60 days**, without any modifications and without giving any reasons thereof.

SECTION- I: INVITATION FOR BIDS (IFB)

1. The Embassy of India Riyadh invites sealed bids from eligible bidders for supply and Installation of one-unit X-ray Baggage Scanner mentioned below

A. Description of work: Provision of Baggage Scanning facility in Chancery Premises:

- a. Supply of one unit of X-Ray Baggage Scanner
- b. Installation and commissioning of the X-Ray Baggage Scanner
- c. Training of duty staff for operation and trouble shooting of minor issues etc.
- d. Mandatory warranty for the period of 03 years.

Technical Specifications of Scanner			Units
S. No	One unit of X-ray Baggage Scanner		01
1.	Resolution	42 SWG or better	
2.	Tunnel Size	Shall be minimum 600mm x 400mm with 10% variation only on higher side	
3.	Penetration	>= 30mm steel	
4.	Voltage	180 – 260 V, 50 Hz single phase	
5.	Conveyor Belt	Speed should be at least 0.2 meters per second or better	
		Maximum load should be 160 kg	
		Conveyor belt height should be at least 750 mm	
		Facility of bi-direction scanning be available	
		Idle SS rollers to be provided with input/out frames at both ends of the tunnel	
6	X-Ray Generator	Cooling – Sealed oil bath	
		Anode Voltage >= 160KeV	
		Tube current <= 1 mA	
		Beam divergence – 60 degrees. The x-ray beam divergence should be such that the complete image of maximum size of bag is displayed without corner cuts	
7	Image Processing	Sensor – Folded array	
		Grey levels >=4096	
		Display – High resolution SVGA, 22” TFT, LED colour monitors, flicker-free, minimum 1920 x 1080 pixels full HD display 30 watt and low radiation	
		Beam divergence – 60 degrees	
8	Computer	Latest generation compatible with X-Ray machine having	

	configuration for image storing and archiving	the following minimum features or better
		Processor : Core i3 or better available in market
		Hard Disk: 350 GB or better
		CD/DVD Drive R/W
		RAM 3GB or better
		UPS: Reputed make online UPS like Tata libert, APC, Microtek etc. with minimum 30 minutes backup on full load by using SMF batteries Capacity: commensurate capacity as per load Voltage range: 180-260 V, 50 Hz single phase Output voltage – 230 VAC $\pm$ 1% Transfer time – 0 ms
9	Zoom facility	Should be available to magnify the chosen area of an image eight times (X8) or more. Image features shall be key board controller
10	The machine should be film safe	
11	The machine should have features of multi energy X-ray imaging facility (140 KeV approx.) where materials of different atomic number will be displayed in different colours to distinguish between organic and inorganic materials. With this method should be possible to distinguish high density organic materials including explosives. Machines should have variable colour or material striping to facilitate the operator to monitor images of organic materials for closure scrutiny. All suspicious items (explosives, high density material, narcotics) should be displayed in one mode and that should be online.	
12	Facility for variable contrast must be incorporated to allow enhancement of lighter and darker portion of the image	
13	If the machine fails to penetrate an item, then an alarm (visual and audio both) should be generated to notify the operator.	
14	The threat image protection (TIP) system software to be incorporated as per details given below; 1. TIP software facility shall be incorporated in the offered X-Ray machine to assist supervisors in testing the operator alertness and training X-Ray screeners to improve their ability in identifying specific threat object. The system will create a threat object and the same will be superimposed on monitor screen while a bag is being screened. To acknowledge that the operator has seen the false object, the operator must press the control panel key that will cause the computer generated threat object to disappear from X-rayed bag image on the VDU screen . Each operator's action shall be recorded in the hard disk of the computer for the auditing purpose by the supervisor or other authorized person. 2. Design of the system: TIP software should be compatible with other X-Ray technologies such as automatic reject unit, dual X-Ray screen technologies,	

automatic threat recognition system etc.. All X-Ray image functions must be available at the same time along with the TIP.

3. Image library:

a) The TIP facility should have an image library containing at least 100 explosive devices, 100 knives and 100 firearms in various sizes, shapes and orientations. However, the system shall have facility to expand the library to incorporate additional images by user without assistance of the manufacturer.

b) The image library should contain images of threats at different orientation both plane and end on orientation should be used. All though these will be assigned different file names and reference, it must be possible to cross reference these as the same threat. All threat images protection images must be realistic- representative and non distinguishable from real threat items.

4. Time Interval:

a) Programming facility shall be available to project threat images in different intervals. The time period for threat image as well as image mix in percentage shall be user programmable e.g. software shall select 40% images of explosive devices, 35% firearms & 25% of knives or random items etc..

b) Once the screen has responded to identify the computer generated threat image, it should remain on the screen for a predefined user programmable time for analysis. The image should be highlighted, upon identification and feedback message shall be visible to the screener.

5. System Administration

a) The threat image protection facility shall have details of user data base such as Venue of function, Name of organization, Name of screener, user ID number, level of access such as screener, Administrator, Maintenance schedule and password etc..

b) Access to startup menu should be restricted only to the authorized individuals. A login procedure by means of password or security key could achieve restricted access to each of the comment. The login procedure should not take longer than 20 seconds. The system should have facility to bypass the TIP facility, if programmed so by the system administrator. It is to be ensured that the TIP software shall not be hindrance to to normal functioning of the X-Ray machine.

c) When the operator logs in or logs out, message should be displayed on the Video Display Unit (VDU) screen to confirm that he/she has been correctly logged in or logged out.

	6. Feedback Report: a) The threat image projection should be capable of giving feedback HIT MISS or FALSE alarm message. No message will be presented if a screener correctly passed as clear bag. b) A HIT message to be presented when a screener has correctly identified a threat image projection image. A MISS message shall be presented when screener fails to identify the TIP image. A False Alarm message shall be given when screener incorrectly indicate TIP image when in fact no threat image projection is present. The feedback should clearly indicate in a screen that a TIP object has been correctly identified/TIP object has been messed/no TIP object was present. Information should be recorded in the data base. C) Different colour coding shall be used for feedback to the screener. It is recommended that colour code RED for MISS, Green for HIT and Yellow to False Alarm or interrupt to be used. d) The system shall automatically prepare the daily log of events for each shift and for each screener performance. TIP log shall include particulars of Venue, XBIS, Name of Screener, Time and date of threat image, whether threat image was successfully identified or missed etc.. e) The report on threat image projection system may have date and time (from – to -) as per requirement, Screener particulars and decision/outcome i.e. MISS, HIT or False Alarm in percentage as well in absolute numbers, number of bags screened, categories such as explosive devices, knives or weapons etc.. f) As a standard practice, daily/weekly/monthly report shall be retrieved. Report shall be for any given time and period, as per command. g) All data should be stored on the system for a minimum of two months after it has been downloaded. No individual regardless of access rights to the threat image projection components would delete or amend any of threat image projection data or time i.e. threat image projection data on the actual X-Ray machine will be read only file.
15	Control desk with security housing and locking provision should be available. The entry of operator personal identification number should be possible through keyboard.
16	Maintenance reminder should be available.
17	Display: Date, Time and Operator ID
18	Baggage counter preferred
19	Inverse video
20	Black and white image

21	Facility of image enhancement should be available
22	Machine should be capable of recalling 15-20 previous images
23	It should have the capability of archiving 3000-4000 images
24	In case of defective diode arrays, scanning should be disabled and error message should be displayed on the screen
25	Copy of all software including X-Ray software with recovery CD and passwords should be provided
26	All software features of machine should be online and password protected
27	System should work on one software only. All software features should be controlled from keyboard of machine only. Keyboard function should be user friendly. To enable/disable the software features, system should not be rebooted.
28	All models should have online recording facility and images can be recorded in external media like USB drive
29	All models should have software controlled diagnosis report facility and system should be able to give printout.
30	The machine should also be diagnosed that software enhancement can be easily implemented to take care of new technique in image processing and pattern recognition.
31	The operating temperature should be 0 degree C to 40 degree C and storage temperature -20 degree C and 50 degree Celsius.
32	Anti rodent and dust proof cover must be provided
33	The company manufacturing the equipment should have ISO certification for manufacturing and servicing of X-Ray screening machines
34	Safety: 1) The machine must comply with requirement of health and safety regulations with regard to mechanical, Electrical and radiation hazards. The supplier/manufacturers should furnish Test Certification from Atomic Energy Regulatory Board of India regarding radiation safety. 2) The radiation level should not exceed accepted health standard (0.1 mR/Hr)

	at a distance of 5 cms from external housing. 3) Lead impregnated safety screens should be available at either ends of the tunnel. 4) Dosimeter be provided for radiation checking
35	Combined Test Piece (CTP): The manufacturer shall provide one set of CTP per machine for checking serviceability of the machine by the operator. The details of CTP are given below: 1) Combined Test Piece Requirements. 2) Single wire Resolution (Test No. 1) : The requirement is to display 42 SWG wire not covered by step wedge. A tick will indicate the visibility of appropriate wire. A set of un-insulated tinned copper wire of size 26, 30, 35, 38, 40 and 42 SWG should be placed on a Perspex sheet. The wires to be laid out in S shaped curves. The wires should be placed behind varying thickness of aluminum. Metallic marker should be provided using high density material so that SWG numbers in the Video Display Unit (VDU) are clearly visible. 3) Useful penetration (Test No. 2) : The test defines what level of details can be seen behind a thickness of known material. The CTP should have different gauges of wire behind varying thickness of aluminum. The requirement of this test is that the 26 SWG wire is seen under second step wedge (5/16"). Tick on log sheet will indicate what wires are visible. 4) Material discrimination (Test No. 3): The requirement is that different colours be allocated to the sample of organic and inorganic substances. With multi energy X-Ray it should be possible to distinguish between materials of different average atomic number. This means that organic and inorganic substances can be differentiated. The use of sugar and salt samples encapsulated on the test piece and various materials used in the construction of CTP should check the material discrimination facility. A tick should indicate that the sugar/salt samples are shown in different colour. 5) Sample penetration (Test No. 4) : The requirement is that the lead be visible beneath 26 mm of steel. This test defines what thickness of steel the machine should be able to penetrate. The steel step wedge on the CTP should have steps of at least 2 mm from 16 mm to 30 mm with a lead strip to check that the machine is above or below the requirement. A tick in log sheet should indicate where a lead strip is visible. 6) Spatial Resolution (Test No. 5) : The requirement is that vertical and horizontal grating to be seen. This test defines the ability of the system to

	distinguish and display objects, which are close together. The CTP should have at least 16 copper gratings at right angles to each other. A tick in the log sheet should indicate the gaps in the grating are visible. 7) Thin metal imaging (Test No. 6) : This tests the machine's ability to image thin metal. A number of thin metal strips of various thickness should be placed in row. 8) Method: a) The CTP is to be used as a quick routine test carried out daily to ensure that equipment is working properly and satisfactory images is obtained. The results of the tests should be recorded. b) The CTP should be placed on the belt and passed through the belt at least once in a day before the baggage is screened or after the X-Ray equipment is switched on to ensure that the equipment is working properly. If the image is satisfactory the equipment may be used. c) The CTP may be viewed by using image enhancing facility till the operator is satisfied that the machine is working properly. The optimum position of CTP on the belt will depend on X-Ray source and detector arrangements. This may be ascertained from the service engineer, if nee arises 9) Results: a) The best results taking both colour and black & white images into account should be recorded for a particular machine. b) The results of tests should be recorded giving information like date, time, machine number and type, supervisors name and other remarks. c) Supervisory officer should carry out the tests once in a week and compare the results with daily test sheets. In case the images are not up to the standard, service engineer must be asked to rectify the fault. The machine may not be used when its performance is in doubt or not satisfactory in the opinion of the supervisor. d) The record must be kept by the operator for one year. The records may be checked by the inspecting officers during this period.
36	Warranty & Maintenance- 03 years mandatory warranty.
37	Miscellaneous: The firm should be able to provide the following along with the

	equipment: 1. One Test Sample (CTP) for each machine for testing during commissioning and during maintenance. 2. Suitable Voltage stabilizer with isolation transformer. 3. Training tools – charts, slides, training brochure, training work model, blow up diagram, video films on demonstrations and use etc.. 4. Technical manual giving full description of the item. Practical training for at least 4 times in a year and continuing during the warranty period. 5. User's handbook and literature on preservation/maintenance as applicable. 6. Procedure for packing, handling, transportation and storage
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It is advised to visit the site to get a full understanding of the work. For site visit, please contact Attache (Admin) on telephone number 00966-11-481 0745 during working hours on working days or write at adm.riyadh@mea.gov.in

2. **Contact information:**
(Rishi Tripathi)
Head of Chancery
Embassy of India
Riyadh, Saudi Arabia
Email: hoc.riyadh@mea.gov.in
Tel: 00966-11-4884206

3. **Two bid System:**

The two-bid system will be followed for this tender. In this system, bidder must submit his offer in two separate sealed envelopes as explained below:

Envelope No. 1: "Technical Bid" shall contain: Technical Bid should be prepared as per the instructions given in the Tender Documents along with all required information, documents in support of the minimum eligibility criteria, valid EMD of requisite amount. Documents comprising the Bid:

- a. Technical Bid Submission Form duly signed and printed on Company's letterhead (Annexure - I)
- b. Contact Details Form, duly filled and signed & stamped (Annexure - 3)
- c. Company Profile
- d. Earnest Money Deposit (Demand Draft/Bankers Cheque/bank guarantee/bank transfer receipt worth SR. 6000/- drawn in favour of Head of Chancery, Embassy of India, Riyadh

- e. The bidder must submit plan/arrangement for installation and warranty services/after sale services to be provided at site.
- f. Detailed technical specifications make & model, part number for which bid is submitted.
- g. Other related documents e.g. Trade License, Company Registration, VAT registration certificate and other certificates issued by the respective authority should be attached with the bid documents.
- h. As proof of having experience, documents for completed work / ongoing work shall be attached with bid document.

Envelope 2: "Financial Bid" shall contain:

Price Schedule (Annexure-2) complete in all respects with proper seal and signature of authorized person. Both the technical bid and financial bid envelopes should be sealed separately and clearly marked as "Technical Bid" and "Financial Bid". Both the sealed envelopes should be placed in a third larger envelope clearly mentioning "**Tender for supply and Installation of one unit X-ray Baggage Scanner**". The prices quoted should be inclusive of freight, insurance, packing, distribution and 3 years' warranty.

Note: Please do not put "Financial Bid" (prices quoted) in the technical bid envelope. If the price quoted is submitted with technical bid, the tender will be rejected.

4. Opening of Technical Bids:

- a. All the technical bids received by the Embassy of India Riyadh will be opened on 10 August 2026 at 1500 hrs at Embassy of India Riyadh.
- b. After being opened, the Technical Bids will be evaluated, by the Embassy of India Riyadh, based on the available documents submitted by the bidder.
- c. After evaluation of the Technical Bids, the Embassy of India Riyadh will intimate the date for opening of the Financial Bids of only those bidders who qualify at Technical Bid stage.
- d. Financial Bids of those bidders who do not qualify at Technical Bid stage will be returned to the respective bidders un-opened.

5. Opening of Financial bids:

- a. Financial bids of the short-listed bidders only will be opened, in the presence of the bidders or their authorized representative, who choose to attend, **date to be intimated later.**
- b. The authorized representative of bidders, present at the time of opening of the bids shall be required to sign an attendance sheet as a proof of having attended the financial bid opening.

- c. **Technically accepted competitive bids ONLY will be considered for the opening of Financial Bids.**

6. Warranty:

The X-Ray Scanner supplied shall carry minimum 03 years (three years) on site comprehensive warranty from the date of Installation & Commissioning.

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Price Schedule

Date:

To,
Head of Chancery
 Embassy of India, Riyadh

S.No	Item	Quantity	Price (in SAR)
1	Fixed cost of One unit of X-ray Baggage Scanner along with 03 years of mandatory warranty.	1 (One)	
2	Fixed Cost of Installation	-----	
Total Price (excluding VAT)			
Grand Total (including VAT)			

Above quoted price for supply and Installation of one unit of x-ray Baggage Scanner as well as site preparation is complete in all respect as per technical specifications and terms & conditions mentioned in the bid document.

(Signature of Authorized Signatory)

Name:
 Designation:
Company seal:

CONTACT DETAILS FORM

Name of the Bidding Firm	
Name of the owner(s) & Nationality	
Name of the Authorized Signatory Nationality Passport No.	
E-Mail ID	
Telephone No.	
Registration No.	
Service tax no.	
Registered Office & Address	