

**EXPRESSION OF INTEREST
FOR
COMPUTED TOMOGRAPHY (CT) XRAY WITH AUTOMATED TRAY RETRIEVAL
SYSTEM (ATRS) FOR HAND BAGGAGE
AT CHHATRAPATI SHIVAJI MAHARAJ INTERNATIONAL AIRPORT (CSMIA), MUMBAI**

**Issued by
Mumbai International Airport Limited**

Date of issue: 6th June, 2023

DISCLAIMER

1. The information contained in or as part of the Expression of Interest document (“**EOI**”) or otherwise provided to Applicants, was obtained from various sources and is offered in good faith for the guidance of the Applicants only.
2. Each Applicant is obliged to become acquainted with all of the provisions of the Applicable Laws affecting the Application, the execution of the Agreement and fulfilment of its terms. Applicants are deemed to have knowledge of and be in full compliance with all the Applicable Laws. Applicants acknowledge and agree that MIAL shall be entitled to disqualify any Applicant and exercise any other remedies it may have (including, without limitation, seek damages for loss of profit / loss of revenues), if any proceedings are brought against any Applicant and / or MIAL and / or any party, for breach of any Applicable Laws in relation to such Applicant’s Application.
3. Any communication to the Applicants from MIAL shall be valid only if received in writing from any person authorised by MIAL.
4. The EOI is not intended to form the basis of a decision to enter into any transaction with respect to the Agreement or any other investment decision and do not constitute an offer, invitation or recommendation to enter into or make any such transaction or decision.
5. Neither MIAL nor its employees, agents, directors, consultants, advisors, contractors or sub-contractors, make any representation or warranty, express or implied, or accept any responsibility or liability as to the accuracy or completeness of the information contained in the EOI or information made available or to be made available in connection with MIAL, its business activities or the Airport and nothing contained herein or provided or to be provided to the Applicants is or shall be relied upon as a promise or representation, whether as to the past or as to the future.

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SECTION I : INTRODUCTION TO APPLICANTS

1.1 INTRODUCTION

A. ABOUT MIAL

Mumbai International Airport Limited (“MIAL”) is operating, managing and developing the Chhatrapati Shivaji Maharaj International Airport, Mumbai (“CSMIA”) pursuant to the Operation, Management and Development Agreement dated April 4, 2006 entered into between Airports Authority of India and MIAL (“OMDA”).

Under the OMDA, MIAL has the exclusive right and authority, *inter alia*, to operate, manage and develop and to provide aeronautical and non-aeronautical services at CSMIA for a term of 30 years starting from May 3, 2006, with an option (subject to the provisions of the OMDA) to extend the term for an additional period of 30 years.

B. SCOPE OF WORK FOR CT XRAY WITH ATRS FOR HAND BAGGAGE

MIAL intends to appoint agency to provide the supply, installation, testing, integration & commissioning of CT Xray with ATRS for Hand Baggage , CSMIA, Mumbai (“Work”) as further detailed in Annexure 2 (Scope of Work) of this EOI.

C. INVITATION

MIAL hereby invites all interested companies, whether private or public, registered in India (“Applicant(s)”) and having experience in supply and installation of CT Xray with ATRS for Hand Baggage, to submit their expression of interest by way of an application (“Application”). MIAL intends to shortlist Applicants based on the Application submitted by them for further bidding process. It is clarified that mere invitation by MIAL for participating in further bidding process does not constitute any contract between MIAL and any Applicant(s).

1.2 SCHEDULE FOR EOI PROCESS

The schedule for EOI process is specified in Clause 2.3 below. MIAL reserves the right to change the schedule at its sole discretion. Any such changes shall be intimated to the respective Applicant at the email address specified in its Application.

1.3 CONTACT DETAILS

The following is the address and contact details for submission of Applications (by courier or registered post or hand delivery) in accordance with this EOI:

**Head - Procurement,
Mumbai International Airport Limited,
Chhatrapati Shivaji Maharaj International Airport,
Near Terminal 1B Arrivals, Santacruz (East), Mumbai - 400 099, India**

Applicants may seek clarifications in relation to this EOI by sending an email to: procurement.csmia@adani.com

For all email communications related to this EOI, please mention subject as “**EOI FOR CT XRAY WITH ATRS FOR HAND BAGGAGE AT CSMIA**” in the subject line of the email.

1.4 DEFINITIONS & INTERPRETATIONS

- A. Throughout this EOI, unless indicated otherwise by the context, the singular also means plural.
- B. Any reference in this EOI to any statute or statutory provision shall be construed as including a reference to that statute or statutory provision, and to all statutory instruments, orders and regulations for the time being made pursuant to it or deriving validity from it, as may be from time to time amended, modified, extended or re-enacted, whether before or after the date of this EOI.
- C. The words “hereof,” “herein”, “hereunder” and words of similar import when used in this EOI shall refer to this EOI as a whole and not to any particular provision of this EOI. The words “include” and “including” shall be deemed to be followed by “without limitation” or “but not limited to” whether or not they are followed by such phrases or words of like import.
- D. The headings and sub-clauses of this EOI are intended for convenience only and shall not in any way affect the meaning or construction of any provision therein.
- E. Words and abbreviations, which have well known technical or trade or commercial meanings are used in this EOI in accordance with such meanings.
- F. References to recitals, clauses are, unless the context otherwise requires, references to recitals and clauses of this EOI.
- G. References to days, months and years are references to calendar days, calendar months and calendar years respectively.
- H. References to person shall mean any natural or legal person.
- I. References in this EOI to any consent or approval or permission or satisfaction or confirmation or certificate or agreement by an Entity shall, in each case, mean in written form and signed by an authorized signatory of such Entity.
- J. “Applicable Laws” means all laws, statutes, rules, regulations, codes, treaties, of any national, state or local government or any statutory or regulatory authority; all orders, decrees, rules, directions, guidelines, notifications or interpretations of any executive, administrative, judicial or quasi-judicial body; including all Applicable Permits; all as in force and effect from time to time; that are applicable to or binding upon (i) the person the property, or matter in question; or (ii) the Work or any portions thereof.
- K. “Applicable Permits” means all consents, approvals, registrations, licenses, no-objections and permits required under or pursuant to the Applicable Laws.
- L. ”BCAS” means the Bureau of Civil Aviation Security of India.
- M. “TSA” means Transportation Security Administration, an American governmental agency that is responsible for travel safety, especially air travel.
- N. “ECAC” means European civil aviation conference.

SECTION II : EOI PROCESS

2.1 AWARD PROCESS

- A. The purpose of this EOI process is to enable MIAL to shortlist companies for the Supply, installation, testing & commissioning of CT Xray with ATRS for Hand Baggage at CSMIA. MIAL invites applications from interested parties for participating in this EOI process. The shortlisted parties would be subsequently invited to submit bids in respect of the said contract for Supply and installation of CT Xray with ATRS for Hand Baggage, CSMIA.
- B. MIAL is using two stage award process to grant contract for supply and installation of CT Xray with ATRS for Hand Baggage, CSMIA. The stages are:
- a. Phase 1: EOI Stage
 - b. Phase 2: Tender Stage
- C. In the first phase, MIAL will shortlist Applicants based on the criteria set out in this EOI Document. The shortlisted Applicants will then be handed out the detailed tender documents and invited to submit a bid. The Applicant meeting the following eligibility criteria and complying with other terms and conditions of this EOI shall be shortlisted as Qualified Applicant.

2.2 ELIGIBILITY CRITERIA

The Applicant must fulfil the following eligibility criteria:

- (i) CT Xray and ATRS machines proposed by Applicant should meet technical specifications mentioned in Bureau Of Civil Aviation Security (BCAS) circular 02/2023 dated 29.03.2023 and Scope of Work of this EOI.
- (ii) Applicant should have past experience of supply and installation of CT Xray machines and integration with ATRS in Airports.
- (iii) Applicant should have experience and capability of providing both supply and services for X ray machines in India.

2.3 TIME SCHEDULE

Date	Event
6 th June, 2023	Date of newspaper advertisement
12 th June, 2023	Last Date for Submission of Applications

MIAL reserves the right to change the above schedule at its sole discretion. Any such changes shall be intimated to the respective Applicant at the email address specified in its Application.

2.4 APPLICATION FORM

A. Contents

- i. The Application shall be submitted in a sealed envelope comprising of the following:
 - ❖ Application Form along with necessary documents as per **Annexure 1**.

- ❖ Applicant credentials, company profile, relevant experience, list of clients, etc.
- ❖ Technical specifications of Applicant’s CT Xray with ATRS for Hand Bagge.
- ❖ Applicant Company’s financial details like certified turnover details for last three years, etc.
- ❖ Other documents indicating competency of Applicant for the Work.

- ii. **Sealing and marking of Applications:** Applicants shall submit original version of the Application sealed in a single envelope with the following marking:
“EOI FOR CT XRAY WITH ATRS FOR HAND BAGGAGE AT CSMIA
APPLICANT’S NAME: _____
APPLICANT’S ADDRESS: _____
E-MAIL ADDRESS: _____”

This envelope shall be addressed to the addressee set forth in Clause 1.3 and shall be submitted by the due date specified in Clause 2.3 above.

- iii. All documents comprising the Application shall become the property of MIAL and shall not under any circumstances be returned to the Applicants. MIAL shall be free to utilise any information / data provided to it as a part of the Application in any manner that it deems fit.
- iv. MIAL shall not be responsible for the loss or non-receipt or delay in the receipt of any EOI application sent by post or courier.
- v. MIAL has the exclusive and final right of acceptance/rejection of applications from any of the parties/Applicants.

2.5 DISQUALIFICATION

MIAL shall have the right to disqualify any Applicant if, in MIAL’s opinion:

- i. the Applicant, or any employee, officer, agent, director, advisor, consultant, contractor, sub-contractor, servant or staff member of, or any person associated with such Applicant has or may reasonably be thought to have, at any time, involved in any dishonest, fraudulent, illegal or unlawful business practices whether in connection with the Application or otherwise; or
- ii. the Applicant engages in anti-competitive behavior including, collusion between Applicants or solicitation of MIAL’s employees, agents, directors, consultants, advisors, contractors, or sub-contractors. Applicants may only have contact with the authorised official of MIAL solely for the limited purpose of submission of Applications and queries concerning the EOI and other matters as provided for in the EOI; or
- iii. the Applicant breaches any of the terms and conditions or does not meet the Eligibility Criteria contained in the EOI; or
- iv. the Applicant or any of the affiliates or any of their employees, directors:

- a. has been disqualified from a tendering process by MIAL or its Application was rejected by MIAL or a contract awarded to it is under dispute for material breach; or
- b. has withdrawn from the tendering process conducted by MIAL subsequent to award of contract; or
- c. is has been either directly or indirectly involved in any frivolous or vexatious litigation against MIAL; or
- d. has been convicted in any criminal case; or
- v. any other fact or circumstance exists, which justifies such disqualification.

The decision of MIAL in this regard shall be final and binding on all the Applicants.

2.6 MISCELLANEOUS

- A. MIAL shall issue subsequent bidding documents to the shortlisted Applicants.
- B. The EOI process shall be subject to provisions of OMDA.

Annexure 1 : Application Form

[Place, Date]

To: Head – Procurement,
Mumbai International Airport Limited,
Terminal 1, Chhatrapati Shivaji Maharaj International Airport,
Santacruz (E), Mumbai 400 099.

Dear Sir:

Sub: Application in response to the EOI for CT Xray with ATRS for Hand Baggage at CSMIA

**Ref: EOI for CT Xray with ATRS for Hand Baggage at CSMIA dated _____, 2023
("EOI") issued by MIAL.**

1. We confirm that we are submitting our Application for supply and installation of CT Xray with ATRS for Hand Baggage at Chhatrapati Shivaji Maharaj International Airport ("CSMIA").
2. We hereby confirm that we meet the eligibility criteria specified in this EOI and in this regard, we have enclosed all required documents (together with the supporting documents) in accordance with Section 2.2 of the EOI.
3. We further confirm that we are not disqualified from participation in the competitive bidding process, pursuant to the provisions of the EOI.
4. We represent, warrant and covenant to MIAL that all information furnished or to be furnished by us to MIAL at any time (including without limitation, as part of our Application in response to the EOI) is true, complete, accurate, unconditional and fairly presented. We undertake to forthwith inform MIAL in the event of occurrence of any circumstances that would render any information, representations or warranties in our Application, untrue, incorrect or invalid.
5. Having read, carefully examined and understood the terms of the documents comprising the EOI (including without limitation, the form of the Agreement issued), we, the undersigned, hereby offer to perform the Supply and installation of CT Xray with ATRS for Hand Baggage (as defined in the EOI) in accordance with:
 - (a) all terms and conditions as specified in the EOI, including without limitation the form of Agreement, the annexures, exhibits, attachments and amendments to the EOI; and
 - (b) our Application;provided however that in the event of any inconsistency between (a) and (b) above, (a) shall prevail.
6. We hereby agree and confirm that our Application has been prepared strictly in accordance with the instructions in the EOI (including the forms set forth therein) and that we shall at all times act in good faith and abide by the terms and conditions of the EOI.
7. We represent and warrant to MIAL that as of the date of submission of the Application:
 - (a) the information furnished by us is true, complete, accurate, unconditional and fairly presented;
 - (b) we have all the necessary corporate approvals and authorizations to participate in the EOI; and

- (c) neither we nor our affiliates are in anyway, directly or indirectly, interested in, or associated with any other Applicant or its Application.

In the event of occurrence of any events or circumstances that would render any of the foregoing representations and warranties untrue or invalid, we covenant to promptly notify MIAL of the same and agree that MIAL shall be entitled to reject our Application in such event and if awarded the contract, withdraw the same, without MIAL incurring any cost or liability.

- 8. We represent and warrant that we [are / are not] [**strike out which is not applicable**] Group Entity(ies), of MIAL or its shareholders (other than AAI). We further represent and warrant that we [are / are not] [**strike out which is not applicable**] Related Party of MIAL or its shareholders or directors.

9. **Confidentiality undertaking:**

We hereby undertake and agree to keep the Information (as defined below) confidential. We acknowledge that the Information is confidential information of MIAL and is provided solely for the purpose of enabling the Applicant to submit its Application and participate in the process for selection by MIAL of the Successful Applicant for performing the Services ("**Specified Purpose**"). We, the Applicant, hereby undertake and agree that in consideration of receipt of such Information, we shall abide and be bound by the following terms:

- (a) "**Information**" means the EOI and any and all documents and information, whether specifically mentioned as 'confidential' or not, provided by or on behalf of MIAL to the Applicant or otherwise obtained by the Applicant pursuant to the EOI, or negotiations and discussions with MIAL, including without limitation, any clarifications, amendments or documents subsequently issued, drafts of definitive agreements, information obtained through interactions with MIAL and site visits (if any), all technical, commercial, financial, operational, legal or statistical information, all agreements, plans, layouts and documents in relation to the Airport, in each case whether in writing, electronic form or other tangible form or disclosed by oral or visual presentation or other intangible method.
- (b) The Applicant shall use the Information solely for the Specified Purpose. The Applicant shall maintain the confidentiality of the Information and shall not disclose the Information to any person, other than:
 - i. its employees, professional advisors and consultants, who have a need to know in connection with the Specified Purpose; and
 - ii. a party with the prior written consent of MIAL;

provided in each case that (i) Applicant shall ensure that such party agrees to appropriate confidential treatment of such Information as per the terms hereof; and (ii) Applicant shall be solely responsible for any act by such parties which results in the Information not being treated in accordance with the confidentiality provisions hereof.

- (c) Confidentiality obligations hereunder shall not apply to any Information that (i) is or becomes available in the public domain, other than by breach of confidentiality obligations by the Applicant or any other party, (ii) is in possession of the Applicant prior to its disclosure by MIAL and rightfully received without any breach of

confidentiality by any party. If Applicant is required to disclose any Information pursuant to any Applicable Laws or an order of any judicial or statutory authority, Applicant shall give MIAL reasonable prior notice of the circumstances of such requirement prior to disclosing such Information and shall co-operate with MIAL to minimize the extent of disclosure, including any effort by MIAL to contest or obtain a protective order against such requirement.

- (d) The Applicant shall, promptly upon the request of MIAL, return or destroy all Information including without limitation all originals, copies, extracts and summaries thereof (including information on electronic media), and certify to MIAL that it has returned or destroyed such Information within two days of such request by MIAL.
- (e) The Applicant agrees that the use or disclosure of the Information in breach of these confidentiality provisions will cause irreparable harm or injury to MIAL, which is incapable of recompense by way of damages. Accordingly, the Applicant agrees that MIAL is entitled to seek injunctive or other appropriate relief to restrain any breach or threatened breach of these confidentiality provisions.

10. We hereby agree that the EOI and this Application shall be construed, interpreted, enforced and governed, in all respects, by the laws of India. The courts at Mumbai will have exclusive jurisdiction in respect of all matters arising out of the EOI and this Application.

We, the Applicant, undertake that the representations, warranties, covenants, agreements and undertakings in the Application are true and correct and we shall be liable for any breach thereof. We hereby accept all the terms and conditions of the EOI. Capitalised terms used but not defined herein have the meanings set forth in the EOI.

Yours sincerely,

For and on behalf of [*name of Applicant*]

*Signature of Authorised Signatory(ies)

Name:

Title:

Phone number:

E-mail:

Annexure 2 : Scope of Work

Vendor/Bidder in this document shall mean Applicant as defined in EOI

Scope document for Supply, Installation, Testing, Commissioning of CT handbag machines at T1 & T2 of CSMIA, Mumbai

Scope of Work

1. OBJECTIVE

1.1. BRIEF BACKGROUND OF REQUIREMENT:

CSMI airport, Mumbai is seeking a competent and responsible partner with relevant experience and expertise in SITC of CT handbag with ATRS (22 mtrs). The deployment is to be completed on turnkey basis. The Bidder shall be responsible for implementation of the work as defined and will be responsible for successful working of the equipment up to Final Acceptance Testing (FAT) and handover the O&M operations. OEM/bidder shall ensure the seamless integration & interoperability required in the systems based on the Regulatory requirements as well as the Design requirements stipulated by the MIAL Team.

Bidder shall be responsible for end-to-end coordination with building services such as MEP, Civil, IT or any other services.

1.2. PRE-REQUISITE TO INITIATE WORK:

Partner shall be liable to complete certain activities before commencement of work that includes following -

- a. Airport site visits for study of as-is setup & Initial assessment of to-be scope.
- b. Detailed submission of proposed security system setup and other infrastructure (IT Infrastructure, Cabling, Connectivity, Electrical etc.).
- c. Submission of Design documents for comments and approval by Adani team.
- d. Evaluation of the existing PESC set up and integration with existing system.

1.3. PRIMARY OBJECTIVES

The Project is for the Supply, Installation, Testing and Commissioning of Computed Tomography (CT) handbag machine along with ATRS at Pre-Embarkation Security Checkpoints (PESC) at CSMI Airport, as per BCAS specification vide AvSec Circular 02/2023. The project will include the following components:

- a. End-to-end activities for Supply, installation, commissioning & Project management of CT handbag with ATRS.

- b. Compliance of the CT handbag machine with the specifications defined by BCAS vide **AVSEC Circular 02/2023**.
- c. Improve throughput by enhancing the detection standard and reducing passenger divestment requirement.
- d. O2 Analyst workstation and O2 recheck workstation shall be considered with each unit on network (Provision to increase more in case of operational requirement)
- e. Machine must have enough storage capacity of images as per requirement irrespective mode of operation.
- f. Adequate space shall be considered while designing recheck workstation to ensure physical search of two passenger bags simultaneously.
- g. Analyst workstation cabinet shall be compact.
- h. Following line items shall be included in vendors' scope.
 - Trays with RFID and bifurcation for Keys, wallet, mobile, belt etc.
 - Trolley for shifting bags which are rejected and sent for re scan in the system.
 - Automatic Empty tray collection without any lagging
 - Empty tray or light weight tray shall pass through the tunnel smoothly.
 - Safety nets and debris collector.
 - System should have proper enclosures, side cladding, door panels and infills at all applicable locations.
 - Signages/ stickers at divest/ repack point reflecting divest/repack process.
 - Statistics Software for all reports (TIP, Bag statistics, Operator statistics, etc.)
 - IT cabling, networking, including all Switches & Accessories
 - Supervisory desk with printer.
 - Provision of upgradation to centralized screening system.
 - Provision of Grouping or Teaming of screening Terminal wise, configuration of multiple group without additional cost.
 - 24x7 manpower support during 3-year warranty.
 - Dismantling and shifting of existing X-BIS Machines and ATRS from the PESC of CSMI Airport to designated location.
- i. XBIS colour to be considered a Bombay Brown (**Pantone 18-1250 TPX**).
- j. The system should be industry-standard and scalable for upgradation.
- k. The bidder should provide system architecture complying with scalability and integration between other systems at the Airport as identified during the Design discussions.
- l. Provide Technical Manpower at site for Installation and Commissioning and Handover of systems.
- m. Post issuance of purchase order, vendor to arrange kick off meeting with concern stakeholders to discuss project plan, milestones & review project status weekly with concern stakeholders for any dependencies if any & complete the project as per committed timelines.
- n. The Adani airports reserves the right to work with selected vendor for additional necessary part of the project or to use an outside vendor for any associated works.
- o. Prior to the Site acceptance test (SAT) completion and acceptance by Adani airport team, all labour, materials, tools, etc. will remain at Bidder's risk.
- p. The Bidder shall be responsible for the installation of all hardware and software provided on a schedule negotiated with the Project Manager.
- q. Bidder shall be responsible to support the installation with a **warranty of 3 years** and thereafter **CAMC support for a minimum of 7 years with 24x7 manpower support (T1 – 01 & T2 – 01)**.
- r. Bidder shall ensure the operational life of components used for a period of 10 years.

- s. The Supplier shall ensure the compliance of all parameters required for successful installation & commissioning of the system (ATRS + X-Ray machine + de-centralized/ centralized viewing machine). Supplier shall assist MIAL with all necessary documents in obtaining all statutory approvals for installation & commissioning of the system (ATRS + X-Ray machine + de-central/ central viewing machine)
- t. Vendor to consider placement of server number 01 in Terminal 1- MCR 1 & server number 02 in Terminal 2- MCR 2. Approximate distance between both terminals is 6 kilometers
- u. Overall, 100% Redundant Server (S/W & H/W) & 100% Redundant Network Switch with auto switchover & Hot Standby.
- v. Vendor to consider placement of server number 01 in Terminal 1 MCR 1 & server number 02 in Terminal 2 MCR 2. Approximate distance between both terminals is 6 kilometers. All active components required for connection / communication between server will be arranged by vendor. Server & Storage shall be equipped with required Fiber SFP (Single Fiber port). Passive cabling comprising only CAT6 & fiber connecting the 2 servers and between X-ray and server will be in MIAL scope.
- w. Vendor will rack stack and install the server.
- x. Server OS, data base OS and application loading will be responsibility of vendor.
- y. Server warranty, OEM support, hardware & RMA responsibility will be in vendor scope.
- z. Contractor shall take necessary approval/permission and documentation for Airport entry, installation and material movement prior start the installation & Commissioning work.
- aa. Contractor shall arrange HIRA, PERCOW, AEP for staffs, Tools, Materials permits & also ensure all the Pass formalities related to BCAS regulations to be completed before commencement of work (like Company clearance & Police clearance of their sub-contractor & staff).
- bb. Contractor shall arrange all licenses & other documents as per Regulatory and compliances from Govt. of India before award of the contract).
- cc. Contractor shall be responsible for deployment of Equipment/ Components, adhere to Timelines / scheduling of the activities as per defined project plan.
- dd. Contractor shall submit project progress reports in agreed format as per defined intervals to respective BUs.
- ee. Contractor shall provide Design base record & Technical site survey report including network (IP) design.
- ff. Contractor shall perform Acceptance Testing of complete system. Submit complete support documentation and it will be conducted in presence of MIAL/User Dept. representatives.

Removal of Existing single view and dual view Storage

- Vendor must provide methodology for removal of existing X-BIS machines with ATRS, without hampering operations, no damage to removed equipment & to be placed in the provided space by MIAL with proper covering.
- Vendor to provide all necessary document required for installation, machine diagram & maintenance space requirement.
- All lifting equipment, manpower, vehicles & permissions are in scope of vendor. MIAL will guide in obtaining permission.
- Lifting equipment & tools certified by authorized agency to be used for required weight as per site conditions.
- Vendor must specify which utilities have to removed, shifted or any civil work is required in the initial stage itself with minimum disturbance to existing structure.

Space for UPS & Batteries

- To confirm the area required for UPS & batteries installation.
- Vendor to do complete cabling from UPS to machines which may require installation of cable trays, laying of cable etc. as per MIAL standards. No exceptions.
- Vendor to confirm Input electrical supply requirement.
- Vendor to confirm HVAC requirements for batteries & UPS.
- All consumables, spares are considered in vendors during project & warranty period. Predictive maintenance/condition monitoring system should be included as counteractive measure to reduce downtime of equipment.
- AERB type approval / Radiation report to be shared.
- Ups for 30 mins +-5 backup should be provided, in case of power failure system should be configured with UPS to give alarm of power failure on system live dashboard & should safe shutdown by itself to avoid any loss of data.
- OEM to share all documents like Technical Manual, PM Checklist, Integration Manual, Critical Spare List etc.
- OEM to check & confirm on sufficient space required for maintenance before machine installation.
- OEM to provide start-up spare parts kits with machine to avoid any impact on installation schedule.
- OEM to share disposal process for the provided machines.
- OEM to confirm on usage/requirement of Alignment conveyors and impact on throughput.

System Live Dashboard

- Compliant with specifications mentioned in latest BCAS security equipment circular.
- A Live dashboard should be provided to display real time health monitoring of system.
- Log of all communication between systems.
- Fail safe alarm in case of Rejected bags moving to Accept Lane
- Clear alarm with issue should be available on dashboard to reduce the diagnostic time.
- TIP, Screener's individual report, Statistic report(accept, reject, timeout)
- All equipment should be properly mapped in the system.
- Log event report should be displayed on the dashboard.
- Predictive maintenance / Condition monitoring should be displayed on live dashboard.

- Live dashboard should provide customizable data of screening (accept, reject, time out, throughput etc.) as per MIAL requirements with capability to be integrated with body scanner & DFMDs.

Training

- Detailed Technical Training to E&M Team.
- Train the trainer training to minimum 50 CISF personnel.
- Operational training to CISF/MIAL staff on CT handbag machine.
- Training manual/ document to be provided.

Storage for New machines

- Vendor should deliver material at MIAL provided storage space. Loading, unloading, movement & further movement of material from storage to installation site will be in vendor's scope. The vendor should provide maximum dimensions of boxes.
- Storing, removal, & security of the same until handover is responsibility of vendor.
- Vendor must ensure security of all equipment till final handover to MIAL.
- Vendor should include all the work such as shifting, cutting, drilling, filing etc. which is required for installation of equipment in their scope only with MIAL approval.
- Sufficient manpower should be arranged managed by vendor in case 2 or more machines have to be simultaneously installed.
- Vendor should acquire required entry permits; work permits before commencement of work.
- This includes all the required material, accessories, labor as applicable quantity in the vendor scope only. Material Supplied for the work will be under vendor custody until final handover of work completion.
- All the material movement handling and storage will be in the Vendor scope only.
- All resources (including dummy bags) required for successful completion of testing will be in the scope of vendor.
- Any damage to MIAL/Third party to be recovered from Vendor.

Drawings

The drawings shall be prepared and submitted by the Vendor for approval. MIAL will approve the drawings incorporating necessary changes for execution. CAD file to be shared.

Duration

Schedule of work will be completed within the period accepted in the Work order issued to the vendor.

Preparation and Submission of work schedule before commencing the work.

Safety

Vendor to ensure all safety & precautionary measures are taken during project execution & later.

Life Expectancy

The complete system shall have a life expectancy of 12 years. The Vendor shall ensure complete hardware, software, spares, and service support of the installed control System during this period. In the case of the control hardware full forward or backwards compatibility must be assured for updates on hardware and software over time.

Warranty/DLP

All equipment supplied and installed should have Warranty cover of minimum 36 months. Warranty services must include repair/replacement: Any manufacturing defects, Improper installation, Poor standard of materials used, Color fade and brittleness, any other quality of service or material issues identified by the MIAL. During Warranty / DLP period, Vendor to provide complete Service Support in accordance to SLA.

Penalties

Penalties shall be applicable to maximum 5% of contract value which includes delay in handover, non-closure of snag points, substandard usage of material as discretion of MIAL. Penalties shall be applicable as per SLA with deduction from Bank guarantee / Other active contracts during warranty period.

Commissioning

Final commissioning and handover of the system in satisfactory condition with 30 days of observation period to check the reports & system availability. Snag list to be completed before final handover.

Aerodrome Entry and Permission

Process for Permits and Entry passes for Staff and Material shall be under vendor scope only.

Exemption

Nothing.
