

INDIA SECURITY PRESS

(A Unit of Security Printing and Minting Corporation of India Limited)
Wholly owned by Government of India
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Date of Issue: 29.04.2026

1. Name of the organization: India Security Press, Nashik (a unit of Security Printing and Minting Corporation of India Limited)
2. Type of the organization: Wholly owned by Government of India.
3. EOI Reference No: 04/EOI/2026 dated 29.04.2026.
4. EOI Title: Expression of Interest for
 - I. **“Up-gradation of 3 nos. Control Consoles of Server, Tracking and Laser Controller PC for e-ULP machine of e-passport manufacturing System (UNO)”**.
 - II. **“Up-gradation of Gothic Alphanumeric Numbering Inspection System along with Inspection camera”**.
 - III. **“Up-gradation of Laser Alphanumeric numbering Inspection System having 02 nos. of control consoles and 02 nos. of inspection cameras”**.
5. Category: Non-Security.
6. Sub-category: Capital Item.
7. Date of Announcement: 29.04.2026
8. Pre-bid conference: The pre-bid conference will be conducted on 09/05/2026 at 11.00 Hrs IST. The prospective bidders interested to Submit Expression of Interest are requested to attend the pre-bid conference for clarifications on technical issues, at India Security Press, Nashik Road. The queries of pre-bid conference, if any, shall reach to CGM, ISP Nashik on or before 07/05/2026.
9. Last date for submission: 14:30 Hrs (IST) on 29/05/2026.
10. The Chief General Manager, India Security Press, Nashik invites Expression of Interest from firms for the following :
 - I. **“Up-gradation of 3 nos. Control Consoles of Server, Tracking and Laser Controller PC for e-ULP machine of e-passport manufacturing System (UNO)”**.
 - II. **“Up-gradation of Gothic Alphanumeric Numbering Inspection System along with Inspection camera”**.
 - III. **“Up-gradation of Laser Alphanumeric numbering Inspection System having 02 nos. of control consoles and 02 nos. of inspection cameras”**

The Concise Scope of Work for the Brief requirement of ISP are as under:

A) Broad Scope of Work:

I. “Up-gradation of 3 nos. Control Consoles of Server, Tracking and Laser Controller PC for e-ULP machine of e-passport manufacturing System (UNO)”.

A. Up- gradation of Control Console of Server PC

➤ **Brief Description of Server PC:**

- Acts as the authoritative store for production data, job queueing, personalization and audit logs.
- Provides authentication for operator stations, assigns work to production stations, tracks job state, and stores records for traceability and post-issue auditing.
- Implements logging, tamper-evident audit trails, backups, and secure communications between components.

Sr. No.	Material/Service Description	Qty.
1.	SITC of Industrial 19" Rack PC <ul style="list-style-type: none"> • Type: i5 core, 12th Generation or latest, 16GB RAM, 512GB SSD, WIN 11 • Make : SIEMENS or equivalent • Display: 19.5" or above FHD monitor display compatible to mentioned above PC 	01

B. Up- gradation of Control Console of Tracking PC

➤ **Brief Description of Tracking PC:**

- Tracks production data, Records timestamps, create record for each document produced.
- Enables reconciliation, batch reporting, and rapid investigation when discrepancies occur.
- Typically supports chain-of-custody functionality and exception handling for rejected or recalled items.

Sr. No.	Material/Service Description	Qty.
1.	SITC of Industrial 19" Rack PC <ul style="list-style-type: none"> • Type: i5 core, 12th Generation or latest, 16GB RAM, 512GB SSD, WIN 11 • Make : SIEMENS or equivalent • Display: 19.5" or above FHD monitor display compatible to mentioned above PC 	01

C. Up- gradation of Control Console of Laser Controller PC

➤ **Brief Description of Laser Controller PC:**

- Acts as the local controller for a laser marking/engraving device used to permanently personalize elements (serial numbers) on substrates.
- Receives approved job files from the central server (rendered templates), coordinates marking operations, and deposits local logs and verification images back to the server.
- Enforces local safety interlocks (door sensors, emergency stop) and laser safety

measures; records operator interactions and job status.

- Often includes local QA checks (optical verification) to ensure correct number perforated, reporting results back to the tracking system.

Sr. No.	Material/Service Description	Quantity
1.	SITC of Industrial 19" Rack PC <ul style="list-style-type: none"> • Type: i5 core, 12th Generation or latest, 16GB RAM, 512GB SSD, WIN 11 • Make : SIEMENS or equivalent • Display: 19.5" or above FHD monitor display compatible to mentioned above PC 	01

II. "Up-gradation of Gothic Alphanumeric Numbering Inspection System along with Inspection camera".

- The e-ULP machine used in the e-Passport Manufacturing System is currently equipped with a Gothic Numbering Inspection System, consisting of an inspection camera and a PC with an I/O card. The primary function of this system is to verify the correctness of the printed passport number on each booklet by cross-checking it against the actual number to be printed. The verification is performed using input data from both the Mitsubishi PLC and the Leibinger Gothic Numbering System.
- If the printed number differs from the reference number or if the print quality is unsatisfactory, the inspection system automatically rejects the passport booklet.
- The inspection system must function accurately in Normal Production Mode, Remake Mode, and Replace Mode.
- The inspection system should communicate with the Tracking PC, Server PC, Laser Controller PC, and PLCs to exchange data and ensure synchronization across all stages of production.
- The existing system is proposed to be upgraded to the latest available technology to enhance accuracy, reliability, and efficiency.

Sr. No.	Material/Service Description	Quantity
1.	SITC of Industrial 19" Rack PC <ul style="list-style-type: none"> • Type: i5 core, 12th Generation or latest, 16GB RAM, 512GB SSD, WIN 11 • Make : SIEMENS or equivalent • Display: 19.5" or above FHD monitor display compatible to mentioned above PC 	01
2.	SITC of Machine vision Inspection camera system <ul style="list-style-type: none"> • Type: High Resolution 64 megapixels KEYENCE V-X/XG-X Series or equivalent Vision Camera system with Easy Builder EL Read Tool. • AI-based character recognition for all alphanumeric and special characters in Gothic print. 	01

III. “Up-gradation of Laser Alphanumeric numbering Inspection System having 02 nos. of control consoles and 02 nos. of inspection cameras”

- The Laser Perforated Alphanumeric Inspection System is an integral part of the e-ULP machine used in the e-Passport Manufacturing System. Its primary function is to verify that the alphanumeric number perforated by the laser matches the corresponding gothic number printed on the passport booklet.
- The system uses a laser-based vision inspection module to check:
 - Whether the laser-perforated alphanumeric number is correct and identical to the gothic number.
 - Whether the laser perforation quality is proper and meets defined standards (e.g., alignment, clarity, completeness).
- The inspection system communicates with the Tracking PC, Server PC, Laser Controller PC, and PLCs to exchange data and ensure synchronization across all stages of production.
- If any discrepancy or defect is detected — such as mismatched numbers, missing perforation, or poor-quality perforation — the system automatically rejects the booklet and sends a rejection signal to the respective control unit for further handling.

Sr. No.	Material/Service Description	Quantity
1.	SITC of Industrial BOX PC <ul style="list-style-type: none"> • Type: i5 core, 12th Generation or latest, 16GB RAM, 512GB SSD, WIN 11 • Make : SIEMENS or equivalent • Display: 19.5" or above FHD monitor display compatible to mentioned above PC 	02
2.	SITC of Machine vision Inspection camera system <ul style="list-style-type: none"> • Type: High Resolution 64 megapixels KEYENCE V-X/XG-X Series or equivalent Vision Camera system with EasyBuilder EL Read Tool. • AI-based character recognition for all alphanumeric and special characters in Gothic print. 	02

Terms and Conditions:

- This is a turnkey basis job, only supply will not be acceptable.
- Before submitting the quote, the firm must visit ISP with prior intimation to see the exact application, requirement, to access the scope of work to avoid any ambiguity at later stage. Firm has to ensure and understand the operation and interfacing of existing System. The offer of the firm will not be considered for evaluation if firm has not visited the site prior to submit the offer.
- Project Development, Installation and Commissioning of the above systems must be fully integrated and synchronized with the existing e-ULP main system for seamless operation. in sync with the working of the main system.
- The firm will have to give a complete solution with required hardware, software Integration with our existing machine control system. If any changes required the firm will have to arrange the, power supply, I/O units, data cables, Connectors, interfacing

equipment's/switchgears, mechanical modification etc. as required, to integrate the system and to suit all the functional requirements of the machine.

- Bidder has to specify the exact make of PC, camera, power supply and all other accessories.
- The application software shall be user-friendly and open-ended, allowing the user to input or modify required data as needed. The firm shall provide editable software backups to ISP.
- Since the existing machine on which the above system is required, has heavy production load, the firm will have to complete all the works, within minimum time to ensure minimum shut down period.
- The firm will have to give one-year warranty of the offered material and workmanship.
- The firm's Engineer will have to give necessary installation, parameter loading and parameter setting, complete training to our maintenance Engineers.
- The firm's proposal must be complete in all respects. No additional cost enhancements or claims will be accepted after submission.
- The firm shall provide service and technical support for a minimum of ten (10) years from the date of installation, as and when required.
- Electrical wiring diagrams of the machine, if required, will be made available to the successful firm for study only at the ISP worksite.
- It should be a complete SITC work with On Load and No-load trials for min. 07 working days.
- This is the development tender, if the firm fail to successful the ITC job work, the firm restore the existing system as its original condition and give the trial of old system.
- ISP will have to carry out the works on ISP's working Days from 8.00am to 5.00 PM however, ISP reserves the right to permit the works during silent hours/lunch hours or Sundays/Holidays.
- The firm must observe all safety precautions during installation on the existing Passport Manufacturing Machine at ISP premises.
- The firm and their Team of manpower will have to follow all the fire, Safety and Security regulations of ISP's Safety Department and CISF. They have to submit the PVR copy for entry permission preparation.
- PAYMENT: Payment for the SITC work will be 100 % against completion of the work in all respect and after taking On Load trials of the machine for 07 working days.

B) Pre-Qualification Criteria:

(a) The bidders should give a declaration that they have not been blacklisted or debarred for dealing by Government of India or any Government / PSU/ Reputed organisation in the past.

(b) The documents in support of Expression of Interest need to be submitted duly signed by authorized representative of the company.

(c) The bidder shall be a manufacturer of above subjected items for at least last three years and supplied & commissioned the above subjected items with the same or higher specifications of at least one number in last three years ending on "31.03.2025". At least one number of the product offered for supply should be in successful operation

for at least one year on the date of bid opening. The bidder should provide the documentary evidence for the same.

(d) The interested bidders shall also submit copies of Audited financial statement for the last Five (05) years i.e. 2020-2021, 2021-2022 and 2022-2023, 2023-2024, 2024-2025.

C) The bidder should also confirm specifically that:

(a) Applicant is competent and legally authorized to submit and/ or to enter into legally binding contract.

(b) The firm should confirm their annual installed capacity for Supply, Installation, Interfacing, Testing & commissioning of Control Consoles.

(c) Applicant will absolve the purchaser against any infringement of patent rights and other contract provisions.

D) The duly filled details along with supporting documents and budgetary offer(s) with respect to Control consoles at India Security Press, Nashik.

The same may be submitted in person or through courier/ registered post/ speed post so as to reach the following address on or before the prescribed date and time as under:

The Chief General Manager,
India Security Press,
Nashik-422 101
Phone No 0253 2402219, 0253 2402435
Fax No 0253 2462718
Email: purchase.isp@spmCIL.com

Last date and time for receipt of Expression of Interest: 29/05/2026 at 14:30 Hrs. (IST)

Date and time of opening of Expression of Interest at 15:00 Hrs. (IST) on 29/05/2026.

Place of opening of Expression of Interest

India Security Press,
Nashik Road 422 101
Maharashtra, India

E) Delay due to postal/Courier etc, will not be entertained. Expression of Interest received after the due date and time will be rejected.

Jt. General Manager (TO)/Purchase
For Chief General Manager
India Security Press,
Nashik Road-422101