

# INDIA SECURITY PRESS

(A Unit of Security Printing and Minting Corporation of India Limited)  
Wholly owned by Government of India  
Nashik Road - 422 101 (Maharashtra)

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Date of Issue: 15/06/2024

- 1 Name of the organization: India Security Press  
(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: 07/2024 dated 15/06/2024
- 4 EOI Title: Expression of Interest for Providing comprehensive recycling solution for different grades of waste generated in the different units of Security Printing and Minting Corporation of India Limited (SPMCIL) and convert them into value-added products.
5. Category: Non-Security
6. Sub-category: Services
7. Date of Announcement: 15.06.2024
8. Pre-bid conference and Presentation: The pre-bid conference will be held on 01.07.2024 at 11.00 Hrs IST. The prospective bidders interested should attend the Pre-Bid meeting at India Security Press, Nashik. The bidder may be requested for detailed presentation regarding their recycling solution either at India Security Press, Nashik or through VC, as per requirement of SPMCIL.
9. Last date for submission: 1430 Hrs (IST) on 16.07.2024
10. The Chief General Manager, India Security Press, Nashik invites Expression of Interest from qualified vendors for providing comprehensive recycling solutions for various grades of waste at SPMCIL unit/ any designated place decided by SPMCIL for Providing comprehensive recycling solution for different grades of waste generated in the different units of Security Printing and Minting Corporation of India Limited (SPMCIL) and convert them into value-added products.
11. The Scope of Work for EOI (Expression of Interest) for providing comprehensive recycling solution for different grades of waste generated in SPMCIL and convert them into value-added products is as under:

## 11.1 Introduction

SPMCIL is engaged in the manufacturing of Bank Notes, Security Paper, Non-Judicial Stamp Papers, Postal Stamps & Stationery, Travel Documents viz. Passport & Visa, Security Certificates, Cheques, Special Certificates with security features, Security Inks, Circulation & Commemorative Coins, Medallions, Refining of Gold & Silver, and assay of Precious Metals.

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Currency & security products waste of SPMCIL is a kind of waste which is abundantly available from SPMCIL units, which is a good source of alternative raw material for making various value-added products. SPMCIL is in search of new technologies to recycle the security waste generated, into other valuable products.

## **11.2 Objectives**

- To identify potential vendors capable of providing advanced recycling solutions for different paper waste grades.
- To ensure the efficient and effective recycling of diverse paper waste materials.
- To convert recycled paper into various value-added products.
- To Demonstrate Proof of Concept (PoC) of the recycling solution to check the feasibility.
- To equip SPMCIL Officials with the necessary skills for operating and maintaining the recycling/ conversion plant.
- To commission a fully operational recycling and conversion plant at SPMCIL unit/any designated place decided by SPMCIL.

## **11.3 Scope of Work**

### **11.3.1 Detailed description of the Recycling Solution**

- The bidder should provide all the details like technology, process, equipment's & machinery, infrastructure including (civil, electrical, water related requirement), manpower, final products etc. regarding recycling/conversion solution for different grades of waste.
- The recycling/conversion solution should be able to utilize all grades of paper waste mentioned in ANNEXURE I.
- The final products obtained from recycling/conversion of different grades of waste may be of different types.

### **11.3.2 Detailed Budgetary Estimate**

- Breakup of the Project cost including Supply, Installation, Training & Commissioning.

### **11.3.3 Specific Requirements**

- The recycling solution should utilize all different grades of waste.
- The cost and use of any external raw materials except paper waste should be minimum.
- The recycling solution must be installed at SPMCIL unit/ any designated place decided by SPMCIL.

## **11.4 Compliance and standards**

The recycling/ conversion solution and all related activities must adhere to applicable national standards and regulations, particularly those related to environmental protection, pollution control and workplace safety.

### 11.5 Eol Submission Requirements

Interested vendors are required to submit the following information as part of their Eol:

- Detailed description of the proposed recycling and conversion solutions, including equipment specifications.
- Approach and methodology for the supply, installation, training and commissioning processes.
- Proposed project timeline with key milestones.
- Detailed cost estimate, including all associated expenses.
- Declaration to demonstrate proof of Concept (PoC) for recycling waste into various value-added products.
- Bidders credentials and relevant experience in similar projects.
- Any additional information or documentation supporting the Bidder's capability to deliver the project.

### 11.6 Details about different grades of Paper waste

The details about different grades of paper waste and the quantities generated annually is attached as ANNEXURE-I

### 12. Documents to be submitted in Eol

- (a) The intending bidders shall submit all technical details, capabilities and experience.
- (b) 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 organization in the past.
- (c) The documents in support of Express of Interest need to be submitted duly signed by authorized representative of the company.
- (d) The interested bidders should also submit along with Expression of Interest a list of parties to whom they have provided the similar types of services with details and performance report from their clients.
- (e) The interested bidders shall also submit copies of Audited financial statements for the last five years i.e. 2018-2019, 2019-2020, 2020-2021, 2021-2022 and 2022-2023.
- (f) Applicant is competent and legally authorized to submit and/ or to enter into legally binding contract.
- (g) The details of Supply and Installation of similar type system during last five years i.e. 01 January 2018 to 31<sup>st</sup> December 2022.
- (h) The firm should confirm their annual installed capacity for supply and installation of similar type of system.
- (i) Applicant will absolve the Purchaser against any infringement of patent rights and other contract provisions.

## 13 Future Course of Action

After finalisation of EoI, Tender may be issued with following future scope of action/ work.

### 13.1 Supply

- **Recycling and Conversion Equipment's:** Provide all necessary machinery and equipment's for recycling and conversion of different types of waste.
- **Materials and Consumables:** Supply initial stocks of consumables required for the operation of both recycling and conversion systems.
- **Software and Control Systems:** Provide any software and control systems essential for the operation and monitoring of the recycling and conversion processes.

### 13.2 Installation

- **Site Preparation:** Collaborate with SPMCIL Officials to prepare the installation site, including necessary civil, electrical, water and infrastructure work.
- **Equipment Installation:** Complete installation of all supplied machinery and equipment, ensuring full functionality of recycling/conversion systems at SPMCIL unit/ any designated place decided by SPMCIL.
- **System Integration:** Integrate the new systems with existing infrastructure at SPMCIL unit/ any designated place decided by SPMCIL.

### 13.3 Training

- **Operational Training:** Provide comprehensive training for SPMCIL Officials on the operation of both recycling/conversion systems, including startup, shutdown, routine operations, and troubleshooting.
- **Maintenance Training:** Train SPMCIL personnel on preventive maintenance, routine checks, and basic repairs to ensure continuous production.
- **Safety Training:** Train SPMCIL personnel on safety procedures and best practices to maintain a safe working environment.

### 13.4 Commissioning

- **Testing:** Conduct extensive testing of the installed recycling/conversion systems to ensure they meet all specified performance and operational criteria.
- **Performance Verification:** Verify the systems' ability to process different waste grades efficiently and produce the required output quality and value-added products.
- **Documentation:** Provide detailed documentation, including user manuals, maintenance guides, and training materials, etc.

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14. The duly filled details along with supporting documents and budgetary offer(s) for "Providing comprehensive recycling solution for different grades of waste generated in the different units of Security Printing and Minting Corporation of India Limited (SPMCIL) and convert them into value-added products" should be sent in a sealed envelope superscribing "Expression of Interest for "Providing comprehensive recycling solution for different grades of waste generated in the different units of Security Printing and Minting Corporation of India Limited (SPMCIL) and convert them into value-added products."

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](mailto:purchase.isp@spmCIL.com)

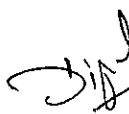
Last date and time for receipt of Expression of Interest: 16.07.2024  
at 1430 Hrs. (IST)

Date and time of opening of Expression of Interest at 1500 Hrs. (IST)  
on 16.07.2024

Place of opening of Expression of Interest

India Security Press,  
Nashik Road 422 101  
Maharashtra, India

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

  
15.06.2024  
Addl General Manager (M)  
for Chief General Manager  
India Security Press,  
Nashik Road

## ANNEXURE I

Type of paper waste	Description about type of paper	Approx. Quantities generated Annually.
<p>1. Travel Document waste (Travel booklet cover material waste) (Plastic film waste)(Non tearable paper waste)(Booklet inner pages paper waste) (Golden colored stamping foil waste)</p>	<p><b>Travel Document cover material waste-</b> The cover material is Pre-shrink cotton fabric impregnated with Polyurethane/ Acrylic coating/PMMA any other suitable non migratory resinous coating material.</p> <p><b>Plastic film waste-</b> It is a type of polyester film used on data page of Travel Document.</p> <p><b>Non tear able Paper waste-</b> It consist of a layer of plastic between two paper layers.</p> <p><b>Booklet inner Pages paper waste-</b> Paper with wood fibre and cotton rag content.</p> <p><b>Golden colored stamping Foil waste-</b> Used for embossing emblem on outer cover of Booklet.</p>	<p>Travel Document booklet waste including Booklet cover material waste, Plastic film waste, Non tearable paper waste, Booklet pages waste, Golden colored foil waste:- 38074 Kg</p> <p>Trims of Polyester film waste: - 1036 Kg</p> <p>Trims of booklet pages paper waste: -89367 Kg</p> <p>Golden colored stamping foil waste:- 5880 Kg</p>
<p>2. Adhesive sticker paper waste</p>	<p>The Paper consists of three layers consisting of base paper, backing paper and adhesive. The base paper is 70 gsm Maplitho Paper, backing paper is 60 gsm silicon coated glassine release paper and hot melt adhesive is used.</p>	<p>Waste Matrix of Adhesive sticker paper: - 80000 Kg</p>
<p>3. Trims of cheque paper waste</p>	<p>The paper is as per Indian Standard Specification for MICR for Cheque printing</p>	<p>Trims of cheque paper waste:- 15141 Kg</p>
<p>4. Trims of cotton rag content document paper waste</p>	<p>The paper is 100% cotton rag content paper along with security thread.</p>	<p>Trims of cotton rag content document paper waste:- 111087 Kg</p>

5. Trims and sheets of Adhesive stamps waste	Dry Gummed paper	Trims and sheets of Dry Adhesive stamps waste:- 11686 Kg
6. Trims of tags, Certificates, waste	It consists of a layer of plastic between paper layers total 180 gsm	Trims of tags, Certificates waste:- 17781 Kg
7. Trims of Travel Sticker waste	It consists of base paper with acrylic based pressure sensitive permanent non removable adhesive and protected by backing paper.	Trims of Travel Sticker waste: - 3392 Kg
8. Trims of Miscellaneous Paper waste	Normal paper without plastic	Trims of Misc. Paper waste :- 50000 Kg
9. Bank note waste	The paper is made up of 100% cotton rag content along with security thread.	Bank note waste:- 400000 Kg