

प्रतिभूति कागज कारखाना नर्मदापुरम (म.प्र.) 461 005
SECURITY PAPER MILL, NARMADAPURAM (M. P.) 461 005
(आईएसओ : 9001 एवं आईएसओ : 14001 प्रमाणित इकाई)
(ISO 45001 : 2018 Certified Unit)

भारत प्रतिभूति मुद्रण तथा मुद्रा निर्माण निगम लिमिटेड की इकाई
A Unit of Security Printing & Minting Corporation of India Limited
मिनिरत्न श्रेणी- I, सीपीएसई (भारत सरकार के पूर्ण स्वामित्वाधीन)
Miniratna Category - I CPSE (Wholly owned by Government of India)



E-mail: gm.spm@spmCIL.com

Website: <http://spmNarmadapuram.spmCIL.com>

Ph.: 07574-255259

Fax: 07574-255170

INVITATION FOR EXPRESSION OF INTEREST (EOI)

1.	Name of the organization	:	Security Paper Mill, Narmadapuram Madhya Pradesh 461005.
2.	Type of the organization	:	A Miniratna Category-I CPSE and Wholly owned by Government of India
3.	EOI Reference No.	:	EOI/PUR/E-TYPE WELDING MACHINE/ Dated 10/08/2024
4.	EOI Title	:	Expression of Interest (EOI) for Installation & Commissioning of Automatic Electro Type Welding Unit & Complete Integration with Existing Embossing Machine Setup
5.	Category	:	Non-Security, Non Transferable
6.	Sub-category	:	Capital
7.	Date of Annoucement	:	10/08/2024
8.	Last date for submission	:	09/09/2024 before 11.00 hrs.
9.	Technical Specifications and Scope of Work	:	Placed at Annexure I
10.	Eligibility / Pre-qualification criteria:	:	Placed at Annexure II
11.	Procurement Process	:	Placed at Annexure III
12.	Specimen Response letter to EOI	:	Placed at Annexure IV

EXPRESSION OF INTEREST (EOI) FOR PROCUREMENT, INSTALLATION AND COMMISSIONING OF AUTOMATIC E-TYPE WELDING UNIT & COMPLETE INTEGRATION WITH EXISTING EMBOSSING MACHINE AT SECURITY PAPER MILL, NARMADAPURAM. (M.P.), INDIA.

EOI/PUR/E-TYPE WELDING MACHINE/

Dated: 10/08/2024

Security Paper Mill, Narmadapuram is an industrial unit of Security Printing & Minting Corporation of India limited (SPMCIL), wholly owned by Government of India, Ministry of Finance, Department of Economic Affairs. SPM was established in 1956 to manufactures world class high quality bank notes paper of different denominations.

Interested vendors fulfilling the eligibility criteria as given in Annexure II are requested to submit Expression of Interest as per format given in Annexure IV to this expressison of interest. The Expression of Interest must be submitted with the brief profile of the firm, their past performance in silimar operation, financial background etc. in support of the eligibility criteria. The Expression of Interest must be sent to the following address:

Dy. General Manager (Materials)
For and on the behalf of The Chief General Manager
Security Paper Mill, Narmadapuram (M.P.) 465001 India
Phone No. 07574-286776/286848
Email: spm.purchase@spmcil.com

Last date and Time for receipt of Expression of Interest : **On 09/09/2024**
At 11:00 Hrs. (IST)

Date and Time of opening of Expression of Interest : **On 09/09/2024**
At 15:00 Hrs. (IST)


Place of opening of Expression of Interest : **Administration Block,**
Security Paper Mill,
Narmadapuram (M.P.) 465001 India

Delay due to postal/courier etc, will not be entertained. Tender received after the due date and time will be rejected.

Details of Annexures:

1. Technical Specifications and Scope of Work – Annexure I
2. Eligibility/Pre-qualification Criteria – Annexure II
3. Procurement Process - Annexure III
4. Specimen Response letter to EOI - Annexure IV

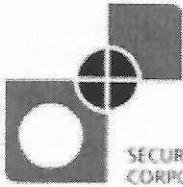
For and behalf of Security Printing and Minting Corporation of India Limited



Sanjay Kumar Gavaskar
Deputy General Manager (Materials),
Security Paper Mill, Narmadapuram (M.P.) 461005 India
Phone No. 07574-286776/286848

Note: The company reserves the right to accept/reject any application at its sole discretion and / or cancel the entire exercise. Mere fulfilling the minimum eligibility criteria will not confer any right on the applicant to be called for discussion/selection.

All Addendum/Corrigendum to this EOI shall be uploaded only on website i.e. www.spmcil.com.



EOI/PUR/E-TYPE WELDING MACHINE/

Dated 10/08/2024

Background of the company

Security Printing and Minting Corporation of India Limited (SPMCIL) is a Mini-Ratna Category-I CPSE and a wholly owned schedule 'A' Company of Government of India and is under the administrative control of Department of Economic Affairs, Ministry of Finance, Government of India. SPMCIL is engaged in the manufacture of currency/security paper, minting of coins, printing of banknotes, non-judicial stamp papers, postage stamps, travel documents, etc. having nine units including four mints (India Government Mint-Kolkata; India Government Mint-Hyderabad; India Government Mint-Mumbai and India Government Mint-Noida), two security presses (India Security Press, Nashik and Security Printing Press-Hyderabad), two currency presses (Currency Note Press, Nashik and Bank Note Press-Dewas) and one paper mill (Security Paper Mill-Narmadapuram) across the country.

Annexure -I

EOI/PUR/E-TYPE WELDING MACHINE/

Dated: 10/08/2024

A. Technical Specification & Scope of Work:

Expression of Interest (EOI) for Supply, Installation and Commissioning of Automatic Electro-type Welding Unit and Complete Integration with Existing Embossing Machine setup at SPM Narmadapuram.

The scope of work includes design, supply, installation, commissioning and training of Automatic Electrotype welding unit and complete integration with existing Embossing Machine setup at SPM Narmadapuram.

Automatic E-Type Welding Unit shall weld E-types for all denomination of Indian Currency over Phosphor Bronze Wire Cloth (PBWC) of mesh size 80 x 60 (per inch) through resistance welding without damaging the shape & size of E-types.

The proposed Automatic E-Type Welding Unit to be installed & integrated with the existing embossing machine system (model no- 2079H) made off M/s Scheon+Sandth, Gemany.

SITE SELECTION:

Proposed Automatic E-type welding unit to be installed and integrated with the existing embossing machine system (model no- 2079H) provided by M/s Scheon+Sandth, Germany at PM#5 Wire-workshop of Security Paper Mill, Narmadapuram (MP), India.

CAPACITY:

The proposed capacity of Automatic E-Type Welding Unit would be to weld at least 100 nos ETNs per hour for all denominations of Indian Currency.

GENERAL ARRANGEMENT DIAGRAM OF EXISTING EMBOSSEING MACHINE (For Reference Only):

The area for installing Automatic E-type welding unit has shown in the below diagram.

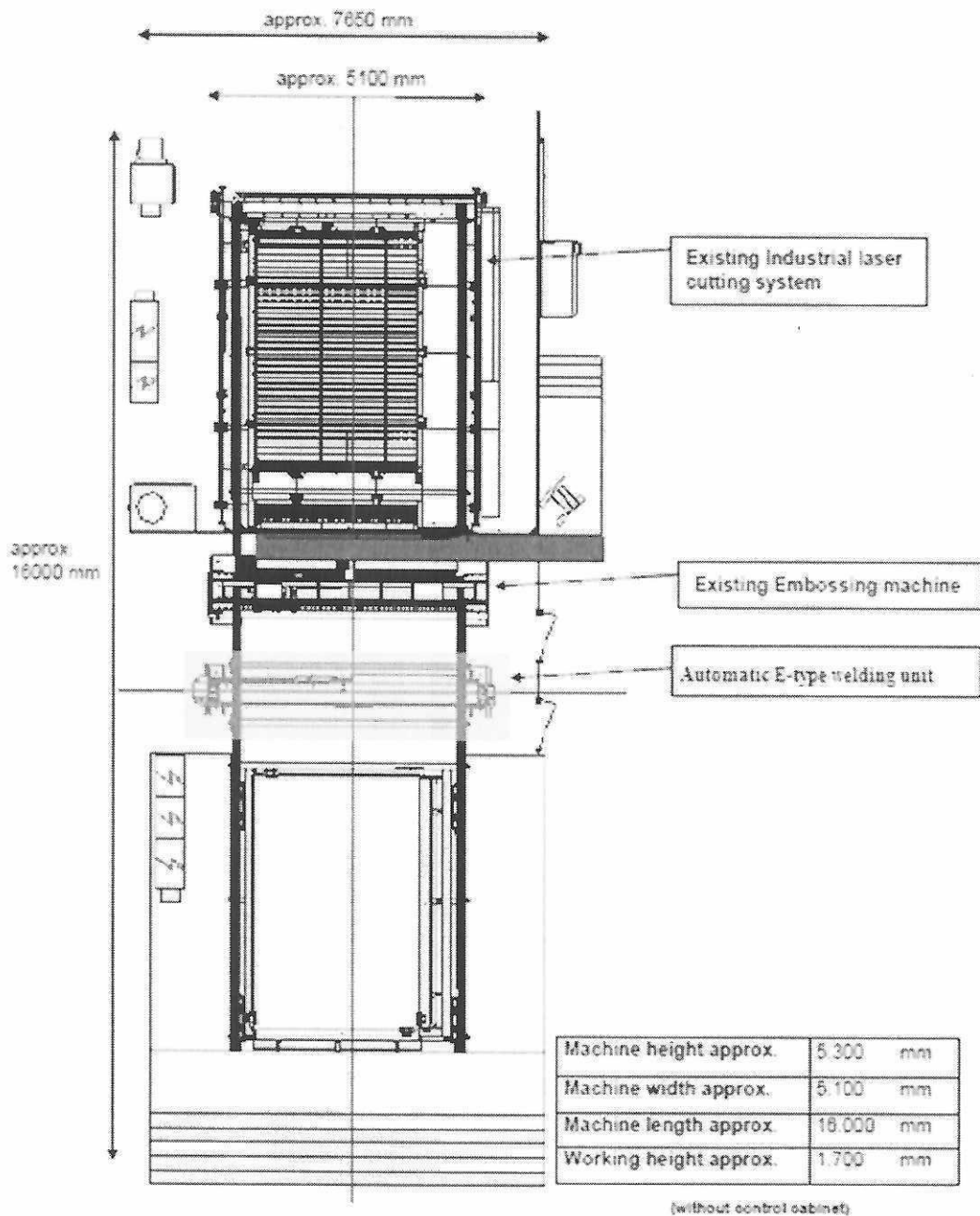


Fig-1

Size Specification of Phosphor bronze wire cloths for existing embossing machine:

Wire widths usable: 2430 (min), 3050 (max) mm

Wire length usable: 4310 mm

Wire widths: 2780 (min), 3400 (max) mm

Wire length: 4660 mm

The proposed Automatic E-type welding unit shall cover the said area of phosphor bronze wire cloth mentioned above. The phosphor bronze wire cloth shall be framed on tension frame of existing embossing machine which moves towards “Y” direction of existing embossing machine.

General arrangement diagram of the Phosphor Bronze Wire Cloth on Tension frame of embossing machine:

The below schematic diagram of tension frame of existing embossing machine shows the usable area to weld E-types.

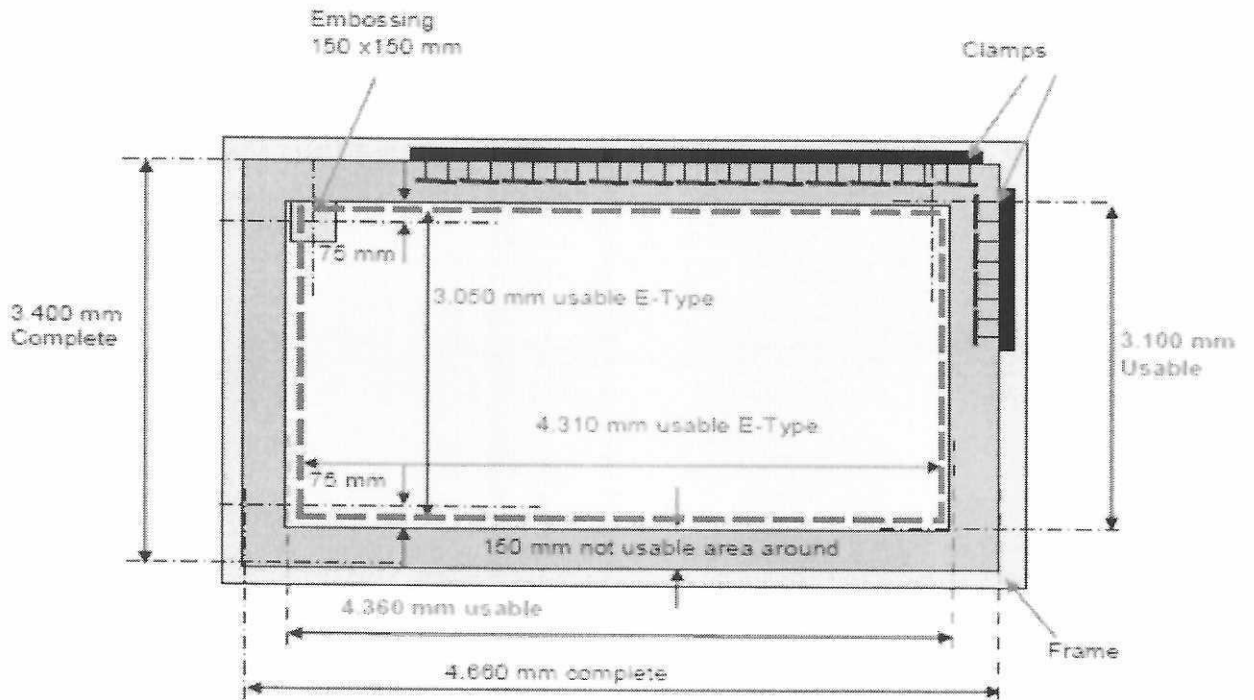


Fig-2

Portal:

Machine base to be designed as a rigid welded steel construction which to be integrated with existing embossing machine 2079H, make M/s Schoen + Sandt, Germany so that E-type welding parameter does complies with embossing parameter to make Indian denomination any CWBN mould cover without affecting embossing.

The Phosphor Bronze Wire Cloth (PBWC) will be placed over the tension frame (shown in fig-2) of the existing embossing machine. The unit is to be designed as a separate unit towards the infeed side of the embossing machine. In the Portal the handling system, with the attached welding unit will move over as well as under the Wire Cloth fixed into the tension frame of existing Embossing Machine and shall cover the specified area of tension frame shown in fig-2.

Handling System:

The device should be with a feeder system with magazines, waste container and gripper for the E-types.

Positioning of E-type stripes from the magazine over phosphor bronze wire cloth to be done accurately by handling system of E-Type Welding Unit later on which one will be welded through resistance welding system of Welding Unit with product- specific electrode neither damaging E-types nor phosphor bronze wire cloth.

Function description of Handling System:

- a) Taking out the E-types from the magazine without damaging any E-type
- b) Positioning the E-types accurately on the phosphor bronze wire cloth on tension frame of embossing machine as per fed program
- c) Press the E-types on phosphor bronze wire cloth with required electrode
- d) Welding the E-types on phosphor bronze wire cloth (resistance welding)
- e) Break-away of the holding bar from the welded E-types without damaging any E-types or phosphor bronze wire cloth.
- f) Repeating with the same stripes to reduce waste
- g) Disposal of waste material into the container

Welding unit:

- a) The E-Type welding unit to be integrated with existing Embossing Machine (Model No- 2079H of M/s Schoen + Sandt, Germany) control cabinet by the bidder. If required, suitable modifications may be done in existing cabinet for integration. This shall be again in the scope of bidder.
- b) Suitable electrode to be provided for welding of E-types of Indian denomination currency over Phosphor Bronze Wire Cloth (PBWC) of mesh 80 x 60.

Material chemical composition and Mechanical properties:

a) Phosphorus Bronze Wire Cloths (PBWC) mesh 80x60

1	Material	CuSn6, CuSn8
2	Tensile Strength	450-600 MPa
3	Elongation	45-55 %

*Mpa=Mega Pascal

b) Electro type (E-type)

1	Material	German Silver CuNi18Zn20 (Soft); Material number 2.0730).
2	Tensile Strength	500-600 MPa
3	Hardness	160-200 HV
4	Thickness	Up to 1 MM
5	Size of E-type	Atleast:2 x 3 mm

Important Note:

1. Participating firm may visit SPM, Narmadapuram with prior permission to take exact measurement and understand the scope of work mention in EOI tender.
2. Design, supply, installation, commissioning and training of Automatic E-type welding unit integration with existing Embossing Machine setup at SPM Narmadapuram. All incidental & civil work are in tenderer scope and they have to arrange all necessary equipment & auxiliary accessories which are required to complete the project.
3. Necessary utility like electrical supply/load, air pressure required, water consumption and facility etc. should be clearly mentioned in EOI.
4. Firm should provide all safety, legal and statutory compliance certificate/undertaking.

CHECKLIST

Sr. No.	Checklist	Checklist (YES/NO)
1	Have you understood the complete requirement?	
2	Have you provided the Bill of Material (BOM) required for overall completion of project?	
3	Have you provided generic specifications for the BOM items?	
4	Have you quoted rates of the BOM items along with applicable GST and Freight?	
5	Have you quoted Rates with all critical spares required for one year trouble free operation of machine?	

(II). General Requirements:

1. The firms will ensure that their interests, duly sealed and signed, complete in all respects as per instructions contained in the Invitation to E.O.I. Documents, are dropped in the tender box located at the address given above on or before the closing date and time indicated above, failing which the interests will be treated as late and rejected.
2. The firm should furnish the firm's name, full postal address (Office), Phone Number and Fax Number; Name of the authorized contact person and e-mail address.
3. The firm should not have been blacklisted /debarred for dealing by Government of India, any State Govt. or any PSU, in any manner and an undertaking should be submitted along with the Bid, to this effect.
4. Participants are required to stamp and provide their authorized signature on every page of the E.O.I. Documents and all the supporting documents submitted as a token of acceptance to the mentioned terms and conditions.
5. Interested firms have to submit attested copies of various license certificates like Trade License, GSTIN Registration Certificate, Service Tax Registration Certificate, PAN Registration Certificate and other registration certificates as required as per the prevalent Prices & Registrations of the Govt. of Madhya Pradesh/ Govt. of India with their application.
6. Participating Firms has to submit Budgetary Quote with break-up along with detailed Technical Specification/Scope of Work.
7. The vendor should have the basic facilities and expertise in similar technology/field at global/national level.

Annexure -II

Eligibility/Pre-qualification Criteria

1. **Status:** The applicant should be either proprietary firm/ Limited Liability Partnership (LLP)/company/Partnership/ (legal entity) registered under relevant regulation of the respective Country. The applicant should be in business of manufacturing/supplying of such type of Items/ Services.
2. **Experience:**
 - a. The firm should have past experience in supply & Installation of same / identical Items and integration with existing Embossing Machine to any Industries made off M/s Scheon+Sandth, Gemany in the last 05 financial year ending on 31/03/2023 Relevant documentary proofs are to be submitted along with the offer.
 - b. The interested bidders should also submit along with Expression of Interest a list of parties to whom they have supplied similar type of Unit for Banknote Paper production with details and customer satisfaction report form their clients.
3. **The bidder should also confirm specifically that:**
 - a. Applicant is competent and legally authorized to submit and/or to enable into legally binding contract.
 - b. The firm should confirm their annual supply/manufacturing capacity for such Items/ Services.
 - c. Applicant will absolve the purchaser against any infringement of patent rights and other contract provisions.
4. The bidder firm should have not been blacklisted/ debarred by BNPMIPL/BRBNMPL/SPMCIL/Government of India for participation in tender as on the last date of submission of EOI. An undertaking for the same should be furnished.
5. The copy of audited balance sheet and profit and loss account for last three financial years ending **31/03/2023** are to be submitted along with the proposal.



SECURITY PRINTING AND MINTING
CORPORATION OF INDIA LIMITED

6. All documents are to be submitted in English/Hindi language only. If the documents are in other language English translation copy shall be furnished along with the documents.
7. The Department of Industrial Policy and Promotion (DIPP) Public Procurement order no. P-45021/2/2017-BE-II dated 15.06.2017 shall be applicable.

Note:-

1. All experience, past performance and capacity/capability related data should be certified by the authorized signatory of the bidder firm.
2. All financial standing data should be certified by certified accountant's along with UDIN No. e.g., Chartered Accounts (CA) in India and Certified Public Accountant/Chartered Accountants of other countries.
3. In case of financials other than INR same will be made available by firm in INR duly authenticated by practicing Chartered Accountant in India.

Bidder to furnish stipulated documents in support of fulfillment of essential qualifying criteria. Non-submission of documents may lead to rejection of offer.



Annexure-III

Procurement Process

Following are the details of the process of SPM, Narmadapuram.

1. At first the EOI for procurement of above items/services is published.
2. The firms participating in the EOI are called for details presentation and discussion regarding their offer of service/goods.
3. Later on open Tender will be floated comprising of 2/3 parts namely PQB, Techno-Commercial Bid & Financial Bid which are to be submitted in two/three separate double sealed envelopes on or before the due date of submission of tender. The envelopes containing Bids shall be super scribed as "Pre-Qualification Bid", "Techno-Commercial Bid", "Financial Bid" as the case may be.

Date:



Annexure-IV

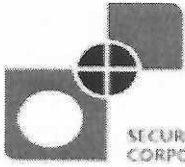
EOI/PUR/E-TYPE WELDING MACHINE/

Dated: 10/08/2024

WE HAVE GONE THROUGH THE ABOVE REFERRED EOI AND UNDERSTOOD YOUR REQUIREMENTS WITH RESPECT TO EXPRESSION OF INTEREST FOR AUTOMATIC E-TYPE WELDING UNIT AT SECURITY PAPER MILL, NARMADAPURAMS. (M.P.), INDIA.

We fulfill the eligibility criteria and undertake that;

1. We have noted, understood and agreed to all the terms and condition of the EOI. In token of our acceptance, we have enclosed the EOI documents duly signed by the authorized representative.
2. I / We and are Proprietary firm/ Limited Liability Partnership (LLP)/Company/Partnership and I /We have enclosed the registration certificate issued by the registration authorities as applicable in the country of origin as documentary evidence. (Please indicate as applicable)
3. I/ We have supplied/Provided similar Items/Services to _____ nos. of manufacturers/printing presses etc. globally or within India from years _____ to _____. I / we have enclosed the work offer/ customer satisfaction certificate/completion certificate issued by _____ as documentary evidence.
4. We have the total experience of _____ years in the related field as on **31/03/2023**.
5. The average annual turnover for last three financial years i.e. **2022-23, 2021-2022, 2020-2021**, is INR _____. I/We have enclosed the annual report/statement of accounts (preferably audited) and a statement of average annual turnover of last 3 years duly authenticated by an authorized official of the Company/firm.
6. We declare that have not been black listed/debarred by BNPMIPL/BRBNMPL/SPMCIL/Government of India for participation in tender.
7. We also enclose our brief profile and list of our major clients for your consideration.
8. We will be interested to present out proposal and demonstrate our past performance/details of the system being offered to you at a meeting at your convenience.



9. We are enclosing copy of English translation of the documents which are not in English/Hindi.

For _____

(Name and designation of officer)

Enclosures:

1. Duly sealed and signed each and every page of EOI
2. Registration certificates
3. Work order or completion certificate
4. PAN Card copy and copy of GST registration certificate.
5. Brief profile and list of major clients.
6. Budgetary Quote with break-up of Taxes & Other Charges, if any.
7. Generic Specifications of the proposed system.
8. Delivery Period.