



## BANK NOTE PRESS DEWAS (M. P.) 455001

(ISO : 9001 & ISO : 14001 Certified Unit)

A Unit of Security Printing & Minting Corporation of India Limited

CIN: U22213DL2006G01144763

E-mail: [bnppurchase@spmcil.com](mailto:bnppurchase@spmcil.com)

Website: [www.bnpdewas.spmcil.com](http://www.bnpdewas.spmcil.com)

Miniratna Category - I CPSE

(Wholly owned by Government of India)

Pin : 455001 (MP)

Ph. : 07272-255222

Fax: 07272-255111

### INVITATION FOR EXPRESSION OF INTEREST (EOI)

1.	Name of the organization	:	Bank Note Press, Dewas, Madhyapradesh 455001
2.	Type of the organization	:	A Miniratna Category-I CPSE and Wholly owned by Government of India
3.	EOI Reference No.	:	<b>BNP/P/EF/Nickel Electroforming VAT Bath/EOI Dated 15.10.2024</b>
4.	EOI Title	:	Expression of Interest (EOI) for Nickel Electroforming VAT Bath along with All Associated Auxiliaries at Bank Note Press, Dewas (MP)
5.	Category	:	Non-Security
6.	Sub-category	:	Capital
7.	Date of Annoucement	:	15/10/2024
8.	Last date for submission	:	19/11/2024
9.	Broad description of Items	:	Placed at Annexure 2
10.	Pre-qualification criteria:	:	Placed at Annexure 3
11.	Specimen Response letter to EOI	:	Placed at Annexure 4



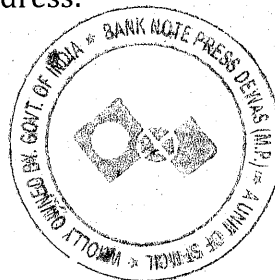
**Expression of Interest (EOI) for Nickel Electroforming VAT Bath along with All Associated Auxiliaries at Bank Note Press, Dewas (MP)**

**BNP/P/EF/Nickel Electroforming VAT Bath/EOI Dated 15.10.2024**

Bank Note Press, Dewas - (MP) is an industrial unit of Security Printing & Minting Corporation of India limited (SPMCIL)- a Mini-Ratna Category-I CPSE and a wholly owned by government of India, Ministry of Finance, Department of Economic Affairs. BNP was established in 1974 to print world class high quality bank notes of different denominations. While successfully discharging the sovereign function assigned by the SPMCIL, presently this unit is printing bank notes of Rs.10/-, Rs.20/-, Rs.50/-, Rs.100/- and Rs.500/- denominations. Bank Note Press, Dewas (MP) has its own security printing EF manufacturing unit.

Interested vendors fulfilling the eligibility criteria as given in Annexure 3 are requested to submit Expression of Interest as per format given in Annexure 4 to this expression of interest. The Expression of Interest must be submitted with the brief profile of the firm, their past performance in similar operation, financial background etc. in support of the eligibility criteria. The bidder firm can visit with prior notice and permission of Bank Note Press, Dewas at their own cost to understand the actual requirements. For security reasons, the firm will be required to provide Bio Data of their representative visiting BNP, Dewas. The Expression of Interest must be sent to the following address:

The Joint General Manager (M)  
Administration Block  
Bank Note Press, Dewas (M.P.) 455001 India  
Phone No. 07272-268253/268468  
Email: [bnppurchase@spmcil.com](mailto:bnppurchase@spmcil.com)



Last date and Time for receipt of Expression of Interest: **19/11/2024 At 14:30 Hrs. (IST)**

Date and Time of opening of Expression of Interest: **19/11/2024 At 15:00 Hrs. (IST)**

Place of opening of Expression of Interest

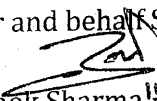
Administration Block  
Bank Note Press, Dewas (M.P.) 455001 India

**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. Brief background of the company and promoters – Annexure 1
2. Brief scope of work – Annexure 2
3. Eligibility Criteria- Annexure 3
4. Specimen Response letter to EOI as Annexure 4

For and behalf Security Printing and Minting Corporation of India Limited

  
Ashok Sharma 15.11.24

Joint General Manager (M)

Bank Note Press, Dewas (M.P.) 455001 India

Phone No. 07272-268253/268468

**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](http://www.spmcil.com).**



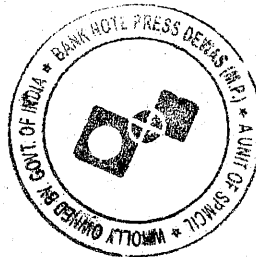
**Annexure 1**

**BNP/P/EF/Nickel Electroforming VAT Bath/EOI Dated:15.10.2024**

**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-Hoshangabad) across the country.

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**Annexure 2**

**1. Objective:**

Bank Note Press, Dewas intends to procure Nickel Electroforming VAT Bath with all its associated auxiliaries, at Bank Note Press, Dewas (MP).

**2. Brief Scope of Work**

**1. Scope of Work: -**

Designing, Engineering, Supply, Installation, Commissioning and Testing of Speed Nickel Electroforming bath along with electronic Rectifier and all associated auxiliaries for electroforming of bright Nickel plate on turnkey basis.

- i. The bidder firm has to carry out the complete job work of supply, installation, testing and commissioning of Speed Nickel Bath with rectifier, scrubber unit etc. on turnkey basis.
- ii. The bidder firm has to supply and install Nickel bath along with all the auxiliary devices and materials as per standard safety norms and should be environmental friendly.

**2. Technical Requirement:-**

Speed Nickel Bath suitable for electroforming of two bright Nickel plate at a time in the Size 850 mm X 860 mm from Nickel Alto having Size 908 mm X 1030 mm. The Nickel bath should have capable to accommodate suitable electroforming jig to produce various Nickel Matrices in the size 936 mm X 1058 mm, 964 mm X 1086 mm and 992 mm X 1114 mm.

The nickel electroforming tank should have following attachments.

**Main Tank & Auxiliary Tank**

The Nickel electroforming bath should have two compartments separated from each other as main tank and auxiliary tank. The main tank will be used for electroforming of Nickel Plate while the auxiliary tank will be used for initial addition of chemicals to be circulated to the main tank. The Nickel bath should be fitted with filtration pump, level control, Temperature probe, heating/cooling element and stirrer etc.

**Dimension of Tank:**

Nickel Bath capacity - 2700 Ltrs. (Approx.)

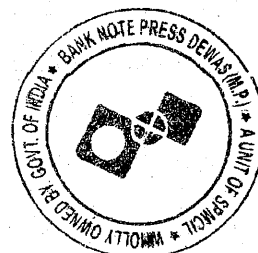
**Main Tank**

Overall length : 1900 - 2000 mm  
Width : 950 - 1050 mm  
Over all depth : 1400 - 1500 mm

**Auxiliary Tank**

Length : 950 - 1050 mm  
Width : 600 - 700 mm  
Over all depth : 600 - 700 mm

Both the tank should be made of suitable acid alkali proof materials and to be coated internally and externally with ebonite / PVDF coating having proper heat insulation duly covered with shock resistant material. Both the tanks should have a base on steel/titanium structure. Both main and auxiliary tanks should have appropriate drainage/slope to empty the bath for cleaning purpose.



**Suitable Anode Compartment with sludge collector:**

Main tank should have suitable anode compartment sufficient to accommodate at least six titanium anode baskets of 1220 X 150 X 50 mm with anode bags & clamping screws with sludge collector. There should be provision for selective cathode purification. The bath should have two diaphragm appropriately perforated to be placed on the both side of the anode compartment.

**Cathode Agitation / Continuous Filtration / Compressed Air System**

There should be provision for cathode agitation / suitable arrangement for uniform distribution of Nickel deposit. Both the anode and cathode have arrangement to connect rectifier. The Nickel Tank should have facility for continuous filtration of electrolyte between the main Tank and the auxiliary tank. The Nickel Tank should have built-in facility to circulate oil and dust free air agitation of electrolyte continuously in the main tank. The supplier should offer portable compressor unit along with its piping to connection with Nickel bath.

**Automatic Heating & Cooling arrangement:**

The bath should have suitable heating arrangement to heat the electrolyte up to 60° C. The bath should have thermoregulation Unit to maintain a constant temperature of the solution. Both heating and cooling arrangement will be automatically controlled as per preset temperature with suitable electronic device easily accessible and repairable.

**Automatic Deionized water supply:**

The bath should be fitted with automatic level control device to add deionized water when level drops below required level using suitable control device. The bath should have built in piping system both in main tank as well as in auxiliary tank for circulation of deionized water to be fed through an out source.

**Programmable Preset Micron Meter:****Fume Extractor / Scrubber Unit:**

The tank should have standard fume extraction / scrubber unit as per international safety rules for safe discharge of harmful fumes, if any.

**Control Cabinet:**

The Control cabinet should have option to operate both in automatic and manual mode as per requirement. It should be made of acid / alkali proof stainless steel colored with suitable paint to withstand corrosive fumes. It should contain all the electrical control equipment, switches and to be designed in accordance with international safety regulation.

**Electronic Rectifier:**

Speed Nickel bath should be equipped with suitable capacity of with following minimum requirements.

- i. Sturdy metal cabinet with epoxy protection varnish, with built in silicon diodes, transformers, electronic panel.
- ii. Electronic panel ensuring maximum current limitation for protection against short circuiting and accidental over voltage and required ammeter and voltage display.
- iii. Forced cooling by means of electric fans.
- iv. Input voltage 415 V  $\pm$  5 % A.C 3 phase, 50 Hz and with required D.C output.
- v. Triple Ammeter for load control of the three phases.



Kit of super quality chemicals and raw materials necessary for putting into operation of the nickel bath.

Set of copper bars and suction ducts for connecting the nickel bath to the corresponding rectifier.

**Closed-loop wash sink along with its electric control cabinet for nickel bath having automatic cover for the spray rinsing zone:**

Nickel bath should be containing three compartments wash sink for washing the master and plates after nickel deposition, designed to minimize the quantity of wastewater. The first compartment is for immersion washing. The resulting liquid is sent back to the nickel plating bath by transfer pump to compensate for fluid loss. The second compartment is for spray washing, carried out by opposite nozzles fed by a feeding pump so resulting liquid is automatically sent to the first compartment via level controls. The third compartment is used for auxiliary washing (like baskets. etc), the resulting water is sent for treatment.

**Two Polycarbonate electroforming plate jig for growing nickel printing plates.**

All the components of the Nickel electroforming bath should be of standard make.



**BNP/P/EF/Nickel Electroforming VAT Bath/EOI Dated 15.10.2024**

**Eligibility 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 and supplying of Nickel Electroforming VAT Bath along with All Associated Auxiliaries.

**2. Experience:**

a. The applicant should have supplied similar type of machines across the globe/country during the period of last five years ending on 31.03.2024. The details for the same should be submitted along with documentary evidence.

b. The interested bidders should also submit along with Expression of Interest a list of parties to whom they have supplied similar type of machines with details and customer satisfaction report from 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 and manufacturing capacity for similar type of machines.

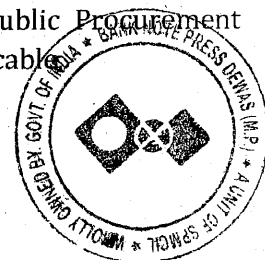
c. Applicant will absolve the purchaser against any infringement of patent rights and other contract provisions.

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 be furnished.

5. The copy of audited balance sheet and Profit and loss account for last three financial years ending on 31.03.2024 are to be submitted along with the proposal.

6. All documents are to be submitted in English 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.





Date:

The Joint General Manager (M),  
Bank Note Press, Dewas (M.P.) -455001 India

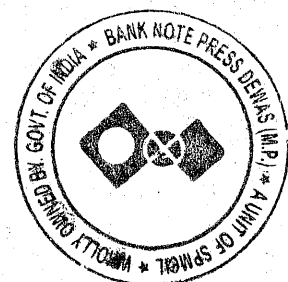
**BNP/P/EF/Nickel Electroforming VAT Bath/EOI Dated 15.10.2024**

Dear Sir,

We have gone through the above referred EOI and understood your requirements with respect to precision industrial Nickel Electroforming VAT Bath along with All Associated Auxiliaries at Bank Note Press, Dewas (MP).

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 carried out similar job work 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 31.03.2024.
5. The average annual turnover for last three financial years i.e. 2021-22, 2022-23, 2023-24 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 our 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.
10. We are enclosing duly signed/executed integrity pact as per format provided with EOI. **(NOT APPLICABLE)**

For \_\_\_\_\_

(Name and designation of officer)

Enclosed:

1. Duly signed EOI
2. Registration certificates
3. Work order or completion certificate
4. PAN Card copy and copy of Service Tax/GST registration certificate
5. Brief profile and list of major clients
6. Detailed specifications of proposed machine
7. Submission of budgetary estimate: Firm may submit budgetary estimate of Nickel Electroforming VAT Bath along with All Associated Auxiliaries with delivery schedule.

