



SECURITY PRINTING AND MINTING
CORPORATION OF INDIA LIMITED

Standard Bidding Document (SBD)

(Procurement of Goods and Services)

CURRENCY NOTE PRESS

(A Unit of Security Printing and Minting Corporation of India Limited)

Wholly owned by Government of India

Nashik Road - 422 101 (Maharashtra)

Tel No 00 91 253 2454493

Fax No 00 91 253 2464100

EPABX: 00 91 253 2463730-39

Email: gmcnp@spmcil.com

Website: www.spmcil.com

(Tender Sl. No.) : 01/3D Microscope/2022-23

(Date): 06.04.2022

E-PROCUREMENT NO. : SPMCIL/CNP/Purchase/2/22-23/ET/7(Procurement of 3D microscope)

Not Transferable

Security Classification: UNCLASSIFIED

ONLINE - E-PROCUREMENT - TENDER DOCUMENT FOR DESIGN, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF 3D DIGITAL MICROSCOPE TO MEASURE INK THICKNESS, TACTILITY ON WATERMARK PAPER & DESIGN DEPTH ON INTAGLIO PLATE.

This Tender Document Contains _____ Pages.

Tender Documents is sold to:

M/s _____

Address _____

Details of Contact person in SPMCIL regarding this tender:

Designation: JOINT GENERAL MANAGER (MATERIAL)

Address: Currency Note Press,
Nashik Road-422 101
Maharashtra
India

Phone: 0253-2461318 /2454493
Fax : 0253-2464100
email : purchase.cnpnashik@spmcil.com

Note: The word "SPMCIL" in this SBD hereinafter is referred to as "Currency Note Press, A unit of SPMCIL."



Section I: Notice Inviting Tender (NIT)

CURRENCY NOTE PRESS

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- (Tender Sl. No.) : 01/3D Microscope/2022-23 (Date): 06.04.2022
E-PROCUREMENT NO. : SPMCIL/CNP/Purchase/2/22-23/ET/7(Procurement of 3D microscope)

- Sealed tenders are invited from eligible and qualified tenderers for supply of following goods & services on turnkey basis:

Schedule No.	Brief Description of Goods/ services	Qty (with unit)	Earnest Money (in Rs)
1	Design, Supply, Installation, Testing And Commissioning Of 3D Digital Microscope To Measure Ink Thickness, Tactility On Watermark Paper & Design Depth On Intaglio Plate	02 No	Rs. 5,72,000/-

Type Of Tender (Two Bid/ POB/ EOI/ RC/ Development/ Indigenization/ Disposal of Scrap/ Security Item etc.)	Three bid i.e. Single Stage (three packet), National Competitive Bidding
Dates of sale of tender documents:	From 06.04.2022 to 05.05.2022 during office hours
Place of sale of tender documents	Purchase Section, Currency Note Press, Nashik Road-422 101, Maharashtra, India
Closing date and time for receipt of tenders	06.05.2022 up to 1430 Hrs
Pre-Bid Meeting will be held at CNP	22.04.2022 at 10.30 A.M.
Place of receipt of tenders	Currency Note Press, Nashik Road-422 101, Maharashtra, India
Time and date of opening of tenders	06.05.2022 at 1500 Hours
Place of opening of tenders	Purchase Section, Currency Note Press, Nashik Road-422 101, Maharashtra, India
Nominated Person/ Designation to Receive Bulky Tenders (Clause 21.21.1 of GIT)	Administrative officer, Currency Note Press, Nashik Road.



3. Eligibility to participate as per Government of India's Public Procurement (Preference to Make in India) Order 2017 (as amended/ revised) and Ministry of Finance, Department of Expenditure, Public Procurement Division's Orders (Public Procurement 1, 2 and 3) F.No.6/18/2019-PPD dated 23rd/ 24th July 2020 (or any further amendments thereof) regarding eligibility of bidders from neighbouring countries shall apply to this tender.
4. Please note that SPMCIL reserves its right to grant Purchase preferences in accordance with Government of India's Public Procurement (Preference to Make in India) Order 2017 (as amended/ revised) and Public Procurement Policy for Micro and Small Enterprises (MSEs) Amendment Order, 2018 (as amended/ revised).
5. Interested tenderer's may obtain further information about this requirement from the above office selling the documents. They may also visit our website mentioned above for further details.
6. Tenderer may download the tender documents from the website www.cnpnashik.spmcil.com and submit its tender by utilizing the downloaded document.
7. Tenderer may also download the tender documents from the web site mentioned above and submit its tender by utilizing the downloaded document, the bidder must not make any changes to the contents of the documents, except for filling the required information. A certificate to this effect must be submitted by the bidder in the Tender Form (Section X)
8. Bidders are exempted from submitting Earnest Money Deposit. Bidders have to submit the duly filled "Bid Security Declaration" (Attached as Annexure-I) in the tender documents. Non submission of Bid Security Declaration will result in disqualification.
9. The tender documents are not transferable.
10. In the event of any of the above mentioned dates being declared as a holiday/closed day for the purchase organization, the tenders will be sold/ received/ opened on the next working day at the appointed time.
11. Submission of Tender:
 - (i) The bid is to be submitted in three parts/packets.

PART A: Pre-qualification bid should contain the following documents:

- (a) All the documents as required in Section IX - Eligibility / Qualification Criteria
- (b) "Bid Security Declaration" as per Annexure – I on firm's letter head

PART B: Technical bid should contain the following documents:

Complete tender document duly signed by the Authorized signatory and stamped in all pages including Section – I to Section XIV.

Confirmation and all the documents required as per Section VI, VII and VIII.

Blank Price Schedule as per Section XI.

PART C: Price bid should contain only filled Section XI

(ii) Tenderers shall ensure that their tenders, duly sealed and signed, complete in all respects as per instructions contained in the Tender Documents, are dropped in the tender box located at the address given below on or before the closing date and time indicated in the Para 1 above, failing which the tenders will be treated as late and rejected.

(iii) The bid is to be submitted in Three part in sealed envelopes duly super scribed by NIT reference No. with due date on the top of the sealed envelope and be addressed to the Chief General Manager, Currency Note Press, Nashik Road-422 101 (Maharashtra).

(iv) Offer will be accepted by INDIA POST/COURIER SERVICE/ DROP BOX only. Offer sent by FAX/E-Mail will not be considered.

11. In case of order material in your favour for Rs. 2,50,000/- or above, the supplier shall furnish the performance security amount/ Security Deposit(S.D) (03 % of the ordered value) after issue of Notification of Award of Order by CNP, Nashik Road in favour of SPMCIL, Unit CNP, payable at Nashik. The performance security will be return back without any interest to successful tenderer after the completion of all contractual obligations.

12. SPECIAL INSTRUCTIONS FOR MSME/SSI/NSIC/DIC REGISTERED FIRM:

(a) Micro and Small Enterprises firm should send the copy of valid registration certificate for tendered product of Micro and Small Enterprises along with your bid / quotation for tendered item otherwise your offer will not be considered for above exemption. The bidder has to submit "Bid Security Declaration" as per format available at Annexure-I. Non submission of Valid Registration Certificate and/or Bid Security Declaration may result in disqualification.

(b) Relaxation for Micro and Small enterprises (MSE): Relaxation for MSE regarding submission of Tender Fees, Earnest Money Deposit, Prior Experience, Prior Turnover Criteria issued by Govt. of India, Ministry of Micro, Small & Medium Enterprises, New Delhi and further amendment, if any subject to certificate provided should be valid till tender validity period as per the following references;

- (i) Policy circular no. 1(2)(1)2016-MA dt.10.03.2016.
- (ii) O.M. No. F-20/2/2014-PPD (PL) dated 25.07.2016

(c) As per O.M. No. F-20/2/2014-PPD (PL) dated 20.09.2016 issued by MoF, Department of Procurement Policy Division, New Delhi Pre-qualification criteria with

respect to prior experience and prior turnover may be relaxed for Micro & Small Enterprises as per GOI guidelines subject to meeting of technical specifications and quality parameters. However, there may be circumstances like procurement of items/services related to public safety, health, critical operations and equipment, etc. Since, the tendered item is related to critical security operations, SPCMIL reserves the right not to consider relaxation of prior experience and prior turnover for Micro and Small Enterprises including Startups on case to case basis.

13. No exemption will be given for depositing of Security Deposit (SD) to any DIC/SSI/MSE/NSIC registered firm.
14. If the bidder or any representative of the bidder wants to attend the Bid opening then that person should carry with him /her letter of Authority (Section XVII of SBD) in the same format to be produced at the time of Bid opening and before the bids are opened.
15. The bidder, their affiliates, or subsidiaries # including subcontractors or suppliers for any part of the contract should not stand declared ineligible/blacklisted/banned/ debarred by any Government Agency anywhere in the world, for participating in its tenders, under that country's laws or official regulations. A declaration to this effect shall be submitted by the bidder in the Tender Form (Section X).
16. Any dispute in the matter will be under Nashik (Maharashtra) Jurisdiction only.
17. Right of acceptance: - The Chief General Manager, Currency Note Press reserves the right to reject any or all tenders without assigning any reason thereof.
18. Clarification of Tender Documents: A Tenderer requiring any clarification or elucidation on any issue of the tender documents may take up the same with SPMCIL in writing or by fax / e-mail/ telex not later than twenty one days (unless otherwise specified in the SIT) prior to the prescribed date of submission of tender.
19. Any queries regarding the tender you may please contact at 0253-2454493 or 2461318. E-mail-purchase.cnpnashik@spmcil.com.

Jt. General Manager (Material)
For Chief General Manager

Currency Note Press, Nashik Road
Phone No 0253 2454493/2461318

Address for dropping the tender documents
CISF PASS SECTION, ADMINISTRATIVE BUILDING,
CURRENCY NOTE PRESS, JAIL ROAD,
NASHIK ROAD, NASHIK-422 101.



Section II: GENERAL INSTRUCTIONS TO TENDERERS (GIT)

Please **CLICK** the link for further details

<https://spmcil.com/uploaddocument/GIT/new.pdf>

Bidders are requested to download **61** pages by clicking the above said link and submit the same duly stamped and signed along with tender document in technical bid unsigned/stamped printout of these pages are not acceptable.

Section III: Special Instructions to Tenderers (SIT)

The following special instructions to Tenderers will apply for this purchase. These special instructions will modify/ substitute/ supplement the corresponding General Instructions to Tenderers (GIT) incorporated in Section II. The corresponding GIT clause numbers have also been indicated in the text below:

In case of any conflict between the provision in the GIT and that in the SIT, the provision contained in the SIT shall prevail.

Sr. No.	GIT Clause No.	Topics	SIT Provision
01	3.	Eligible Tenders	Applicable
02	3.4	Eligible Goods and Services (Origin of Goods)	Not Applicable
03	6.1	The Tender Documents includes:	Applicable
04	8	Pre-bid Conference	Applicable. The date & time of pre-bid conference is 10:30 am on 22.04.2022. The queries of the bidders should reach at least two days in advance.
05	9	Time limit of receiving request for clarification of tender documents	No further queries are entertained after pre-bid meeting.
06	10.1	The Technical bid to be submitted by tenderer shall contain the.....	Applicable
07	11.2	Tender Currency	INR
08	12.1	Tender Prices	Applicable
09	12.2, 33, 36.1	Schedule Wise Evaluation	Not Applicable
10	12.6	GST Details	No Change
11	14.1	PVC Clause & Formula	Applicable
12	14.4 to 14.7	Exchange Rate Variation (ERV)	Not Applicable
13	16.1 (a to c)	Documents Establishing Tenderer's Eligibility and Qualifications	Applicable
14	18.4,18.5	Earnest Money Deposit (EMD)	Applicable

15	19	Tender Validity	165 Days from the date of tender opening
16	20.4	Number of copies of tenders to be submitted	Two Copies: One Original and One Duplicate.
17	20.8	Three Bid System	<p>Prequalification bid, Technical bid and price bid are to be submitted in three separate doubled sealed envelopes and one sealed outer envelope on or before the due date of submission of tenders. IT MAY BE NOTED THAT EMD AND THE BID SECURITY DECLARATION IN CASE OF MSME BIDDERS REGISTERED IS TO BE SUBMITTED IN PRE-QUALIFICATION BID PACKET. Further the price is not to be quoted in the PQB bid or technical bid. It shall only be quoted in price bid. Non-adherence to this shall make bid liable for rejection. The envelopes containing bids shall be super scribed "Prequalification Bid", "Technical Bid" or "Price Bid", as the case may be. The sealed envelopes shall again be put in another sealed cover and should be super scribed "TENDER FOR DESIGN, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF 3D DIGITAL MICROSCOPE TO MEASURE INK THICKNESS, TACTILITY ON WATERMARK PAPER & DESIGN DEPTH ON INTAGLIO PLATE " DUE ON 06.05.2022 UPTO 14:30 HRS (IST)". Late tenders shall not be accepted. Tenderers shall submit their offers only on prescribed forms. Tender by telegram/ fax/e-mail shall not be accepted. Tender by post/ hand/ courier received on or before the due date and time shall be accepted. Postal delay/ delay by courier service etc. shall not be condoned.</p> <p>The "Prequalification Bids" are to be opened in the first instance, at the prescribed time and date. These bids shall be</p>

			<p>scrutinized and evaluated by the competent committee/ authority with reference to the parameters prescribed in the Eligibility /Qualification criteria and other criteria as mentioned in the tender document.</p> <p>Thereafter, in the second stage, the “Technical bids” of only PQB qualified bidders (as decided in first stage) shall be opened at a later date and time shall be opened for further evaluation including technical specification, list of requirements, quality control requirements, etc.</p> <p>Thereafter, in the third stage, the “price bids” of only technically qualified bidders (as decided in the second stage) shall be opened at a later date and time shall be opened for further scrutiny and evaluation.</p> <p>Intimation regarding opening of Technical Bids, Price bids shall be given to acceptable tenderers to enable them to attend the bid opening, if they so desire.</p>
18	20.9	E-Procurement	Not Applicable
19	34 & 35.1	Comparison on CIF Destination Basis	FOR CNP Nashik Road Basis including installation, commissioning, testing, training and FAT.
20	35.2 to 35.6	Additional Factors for Evaluation of Offers and preferential schemes	Applicable
21	43	Parallel Contracts	Not Applicable
22	44.1	Serious Misdemeanors	No Change
23	44.3	Integrity Pact	Not Applicable
24	45.1	Notification of Award	No Change
25	50	Applicability of additional GIT of rate contracts	Not Applicable
26	51	Applicability of additional GIT for PQB Tenders	Not Applicable
27	52	Applicability of additional GIT for tenders involving	Not Applicable

		samples	
28	53	Applicability of additional GIT for EOI Tenders	Not Applicable
29	54	Applicability of additional GIT for tenders for Disposal of Scrap	Not Applicable
30	55	Applicability of additional GIT for Development/Indigenization Tenders	Not Applicable



Section IV: GENERAL CONDITION OF CONTRACT

Please **CLICK** the link for further details

<https://sPMCIL.com/uploaddocument/GCC/new.pdf>

Bidders are requested to download **36** pages by clicking the above said link and submit the same duly stamped and signed along with tender document in technical bid. Unsigned/stamped printouts of these pages are not acceptable.

Section V: Special conditions of Contract (SCC)

The following special conditions of Contract (SCC) will apply for this purchase. The corresponding clauses of General Conditions of Contract (GCC) relating to the SCC stipulations have also been incorporated below. These special conditions will modify/ substitute/ supplement the corresponding (GCC) clauses.

Whenever there is any conflict between the provision in the GCC and that in the SCC, the provision contained in the SCC shall prevail.

Sr. No.	GCC Clause No.	Topics	SCC provision
01	6.1,6.3 & 6.5	Performance Bond / Security Deposit	03 % of the total contract price valid for 60 days beyond completion of contractual obligations including warranty period.
02	8.2	Packing and Marking	Applicable
03	9	Inspection and Quality Control	Applicable
04	11.2	Transportation and Domestic Goods	No Change
05	12	Insurance	No Change
06	14.1	Incidental Services	Not Applicable
07	15	Distribution of Dispatch Documents for clearance/Receipt of Goods	Not Applicable
08	16.2, 16.4	Warrantee Clause	Applicable: 12 months from date of acceptance of the instrument.
09	19.3	Option Clause	Not Applicable
10	20.1	Price Adjustment Clause	Not Applicable
11	21	Taxes and Duties	If the tenderer fails to include taxes and duties in the tender, no claim thereof will be considered by purchaser afterwards.
12	22	Terms and Mode of Payments	Payment will be made by respective unit, i.e. CNP and BNP. 100% Payment will be made within 30 days after receipt of suitability and acceptance of instrument through NEFT/RTGS. The payment for the

			CAMC charges will be paid on quarterly basis against satisfactory completion report for the service.
13	24.1	Quantum of LD	Applicable. If LD is levied, applicable GST will be collected from the firm's invoice.
14	25.1	Bank Guarantee and Insurance for Material Loaned to contractor	Not Applicable
15	33.1	Resolution of Disputes	No Change
16	36.3.2, 36.3.9	Disposal / Sale of Scrap by Tender	Not Applicable

Section VI: List of Requirements

Sr. No	Brief Description of Goods/ services	Qty. (with unit)	Earnest Money Deposit
1	Design, Supply, Installation, Testing And Commissioning Of 3d Digital Microscope To Measure Ink Thickness, Tactility On Watermark Paper & Design Depth On Intaglio Plate one each for CNP & BNP	2	Rs. 5,72,000/-

1. Required Delivery Schedule:

(a) All the equipment mentioned in the Purchase Order must be received within 16 weeks from the date of issue of the purchase order.

(b) The entire system should be installed, commissioned and final acceptance test within 4 weeks from the date of receipt of intimation about receipt of the items at CNP stores.

2. Required Terms of Delivery: - FOR CNP NASHIK ROAD, BNP DEWAS

3. Destination:- CURRENCY NOTE PRESS, NASHIK ROAD
BANK NOTE PRESS, DEWAS

4. The firm should submit complete technical documents, leaflets, drawings, erection drawings, etc. with the technical offer.

5. Bid Validity: 165 days from due date of tender.

6. Bidders should submit offer as per price schedule (Section XI) in their sealed commercial bid separately.

7. Bidder have to open the link provided in Section II and IV take print out of all the documents available and then sign and stamp each and every paper and submit along with the technical tender.

8. All the copies of tenders shall be complete in all respects with all their attachments/enclosures duly numbered.

9. The total cost inclusive of all elements as cited above on FOR Currency Note Press, Nashik Road (Maharashtra) and Bank Note Press, Dewas (Madhya Pradesh) India, basis should be indicated clearly both in words and figures in the price bid.

10. After Sales Service: The supplier should give minimum 10 years after sales service along with all spares. The guarantee/ warranty of various components / units installed in the machine/equipment from OEM shall be provided to CNP.

11. Licenses and permits: Wherever applicable, the successful bidder shall ensure himself and provide the legal license/ permit to use a particular product/ process/ design/ patent. The successful bidder shall be held responsible for all the civil/ criminal and tortuous consequences arising from any claim from any third party in this regard.

12. Income Tax (TDS) on installation, commissioning and training in India, if leviable, shall be borne by the tenderer.

13. Annual Maintenance Contract : Post Warranty maintenance, bidder should submit cost of AMC (Instrument calibration should be included all maintained) for a period of three years . AMC price will be optional and will not be considered in deciding L-1. CNP reserves right to place order for AMC after completion of Warranty period.

14. SPARE PARTS:

i. The bidder shall submit the list of recommended critical spare parts required for trouble free operation for 02 years after warranty.

ii. The list should indicate the detail description of item identification nos. and quantity.

iii. The list should be un-priced along with technical bid and price along with commercial bid. The price of the spare parts will not be taken in to account for deciding lowest offer. However the price of the spares shall remain unchanged for 03 years after expiry of warranty.

iv. The bidder should specify email ID/Permanent Account No. and Address of responsible person/company for ordering spares/services in future.

15. AFTER SALES SUPPORT: The supplier shall provide technical support for the system/machine and make available all required spares and consumables for a period of at least 10 years from the date of expiry of warranty period. Written commitment should be submitted in this regard along with technical bid.

16. LICENSES AND PERMITS: Wherever applicable, the successful bidder shall ensure himself and also satisfy the Chief General Manager, Security Printing Minting Corporation of India Limited, Unit Currency Note Press, Nashik Road, that, the successful bidder possesses the legal license / permit to use a particular product /

process / design / patent. The successful bidder shall be held responsible for all the civil/ criminal and tortuous consequences arising from any claim from any third party in this regard.

17. TRAINING:

- i. During training the supplier should give detail training of functioning of the instrument & how to operate the instrument.
- ii. The supplier has to arrange and show the measurement of at least five references reading of each on a metal piece & printed watermark paper having depth & tactility from 10 microns to 120 microns.
- iii. The supplier should intimate the date of training well in advance.
- iv. The supplier should provide on-site training to minimum 5 persons each from CNP side and BNP side for 5 working days.

18. FALL CLAUSE: The price quoted for the Supply, Installation, commissioning, and testing of 3D microscope one each for CNP Nashik and BNP Dewas to be supplied against this tender by the prospective seller shall in no event exceed the lowest price at which the seller sells the Supply, Installation, Commissioning, and testing of 3D microscope of identical specification to any other party. A declaration/certificate to the effect will have to be furnished along with the price bid.

19. RISK PURCHASE:

- a) If the supplier after submission of tender and due acceptance of the same, i.e. Placement of Purchase order/Contract/Agreement fails to abide by the terms and conditions of these tender documents, or fails to supply the deliverables as per delivery schedule given or at any time repudiates the contract, the purchaser shall have the right to:
 - i) Forfeiture of the EMD and
 - ii) Invoke the Security-cum-Performance Guarantee if deposited by the supplier and procure stores from other agencies at the risk and consequence of the supplier. The cost difference between the alternative arrangement and supplier tendered value will be recovered from the supplier along with other incidental charges, including custom duty, excise duty, taxes, insurance, freight etc.
- b) For all the purpose the Purchase order/Contract/Agreement will be considered acceptance of tender. Supplier has to abide by all the terms and conditions of tender.
- c) In case of procurement through alternative sources and if procurement price is lower, no benefit on this account will be passed on to the supplier.

20. Bidders has to submit Bank details i.e.

- a] Account Number :
- b] Bank Name :
- c] Branch :
- d] IFSC Code :

Section VII: Technical Specifications

1. Brief Description:

Currency Note Press, Nasik, A unit of Security Printing and Minting Corporation of India Ltd. (SPMCIL), wholly owned by Government of India intends to procure 3 D DIGITAL MICROSCOPE to measure Ink thickness, Tactility on watermark paper & designed depth on Intaglio plate, 01 No. each for Currency Note Press, Nasik Road & Bank Note Press, Dewas as per the details given below:

- 1.1 The 3 D DIGITAL MICROSCOPE shall be compact, rigid, mechanically sound.
- 1.2 The 3 D DIGITAL MICROSCOPE shall be of latest technology meeting all the environmental, safety and other international regulations and standards.
- 1.3 The 3 D DIGITAL MICROSCOPE shall be complete with all required mechanical, electrical, electronics, optical, photoelectric etc. and equipped with systems for automatic smooth continuous and un-interrupted functions.
- 1.4 Its working performance shall be steady, smooth and consistent.

2. Objectives:

- 2.1 3 D DIGITAL MICROSCOPE is to measure ink layer thickness of Dry offset, Numbering & Intaglio printing of Indian Bank notes in real time.
- 2.2 3 D DIGITAL MICROSCOPE should be capable to measure thickness of CSI (Colour Shift Ink) on printed bank notes.
- 2.3 3 D DIGITAL MICROSCOPE should be capable to measure thickness of overcoat transparent varnish thickness on finished banknotes.
- 2.4 3 D DIGITAL MICROSCOPE is to measure real time tactility on printed bank notes.
- 2.5 3 D DIGITAL MICROSCOPE is to measure real time depth of Intaglio design on engraved metal plates, measuring range should be 5 to 160 micron.

- 2.6 3 D DIGITAL MICROSCOPE shall be able to measure real time three dimensional measurements of all the printing on water mark paper.
- 2.7 3 D DIGITAL MICROSCOPE shall be able to take measurement min. 166 mm x 66 mm area and provide detail three dimensional information.

3. System requirement:

- 3.1 3 D DIGITAL MICROSCOPE shall consist of camera system having lens with large depth of field, optimum lighting system, controllable stands & easy for observations.
- 3.2 Lighting system of 3 D microscope shall be able to suppress the reflection of light from glass & metal if any for precise result.
- 3.3 The camera system shall have sensor with better light sensitivity with very low image noise. The resolution should be higher than full HD @ minimum 50 FPS or better.
- 3.4 3 D DIGITAL MICROSCOPE should be able to create three dimensional modelling data having measurement information that can be taken from 3 D model.
- 3.5 3 D DIGITAL MICROSCOPE should provide high resolution observation, fast and accurate measurement, full motorized for 3 D tiling.
- 3.6 3 D DIGITAL MICROSCOPE system should consist of central processing unit consisting of 3 D measurement software and tiling software. The system should have facility of recording, observations and 2 D measurements.
- 3.7 3 D DIGITAL MICROSCOPE system should consist of 3 D Mouse for fast control of X, Y and Z axis movement.
- 3.8 3 D DIGITAL MICROSCOPE system should consist of high intensity LED light sources that can provide True Colour Reproduction (5700 K Colour Temperature) and 30000 Hours average life time.
- 3.9 3 D DIGITAL MICROSCOPE system shall have capability of zoom lens 35-5000x. The system should have a capability to select at least three ranges of magnification between 35 to 5000x. The user should be able to select the suitable range as per requirement.
- 3.10 3 D DIGITAL MICROSCOPE should consist of PC having following specifications:
 - a) Processor - i-5 or higher
 - b) HDD - 1 TB or higher
 - c) OS - Windows 10, 64 bit or higher
 - d) Monitor - 1920x1080 resolution or higher
 - e) Size of Monitor - 27 inches or higher
- 3.11 3 D DIGITAL MICROSCOPE system should have pre-installed advanced software for 3 D profile measurements, 2 D Image 3 D profile measurement, 3 D image height point measurement, 3 D profile

- roughness measurement. The software should be provided with free of charge unlimited software updates.
- 3.12 The software should generate the images in the format of Exif-JPEG (compressed), TIFF, BMP (non compressed) format.
 - 3.13 This software shall have minimum following measurement functions-
 - a) Auto calibration mode
 - b) Distance, Angle, Area etc.
 - c) Auto-Count, Auto-Area, Auto-Edge Detection.
 - d) Scale display in metric/inch.
 - e) Statistics result data output in CSV or MS Office.
 - f) Wide image measurement.
 - 3.14 All the software provided shall be of perpetual nature (valid for unlimited time) & Software to be issued /registered in the name of Currency Note Press, Nashik Road for one complete system and Bank Note Press, Dewas for the other system based on the delivery destination / installation site.
 - 3.15 System should have facility to be mounted on suitable stand to measure characteristics at any point of the product of size 860mmx 850mm.
 - 3.16 System should be suitable to take measurement at any point of the product mounted on cylindrical surface.

4. Essential General Specifications:

- 4.1 The supplier shall provide technical support for the instrument and make available all required spares, consumables & maintenance for a period of ten years from the date of expiry of warranty.
- 4.2 The equipment should be quoted with all the accessories including calibrated specimen required to operate the system.
- 4.3 The instrument shall perform efficiently under following working conditions:
 - i. Available Electric power supply 240 V \pm 10%, 50 HZ

Note: The above requirements are indicative and in case of any superior system is offered which meet the actual operational and functional requirement, same will be considered.

5. Auxiliaries Required per machine:

All the auxiliaries required for operation shall be supplied along with machine. The firm should supply suitable anti-vibration table in case table top 3D digital microscope system is offered by the firm.

6. Maintenance:

- 6.1 Assembly drawings with exploding views wherever necessary to facilitate dismantling and assembly during maintenance should be provided by the

- successful bidder. Declaration to this effect to be given by the bidder along with the technical bid.
- 6.2 List of spare parts with a proper consumption pattern and average life shall be furnished by the successful bidder. Declaration to this effect to be given by the bidder along with the technical bid.
- 6.3 International standards applicable for all electrical and electronic items such as spare components shall be provided by the successful bidder. Declaration to this effect to be given by the bidder along with the technical bid.
7. **Documents required**: The firm will have to submit following documents each in 03 sets in English language only -
- I. Operation manual of the machine.
 - II. Maintenance manual with drawings of system assembly/sub assembly with part list.
 - III. Electrical circuit diagram, Fault finding Charts and Spare Parts catalogue.
 - IV. All Programmes & parameters in hard as well as soft copies on CD/DVD/pen drive.
 - V. Complete list of error messages and their suggested diagnostic and remedial guidance.
 - VI. Back up of all applications and system software in original/licensed copy. All these systems and application software must have life time validity (License Free).
8. **Annual Maintenance Charges** : The bidder has to provide AMC charges in price bid for 3 years. The AMC includes calibration of the instrument on yearly basis. CNP reserves to place order for AMC after completion of Warranty Period.



Section VIII: Quality Control Requirements

FAT:(FINAL ACCEPTANCE TEST)

Upon completion of supply, installation, commissioning, training and testing of the equipment, CNP, Nashik and BNP Dewas shall conduct the following FAT of the respective system in presence of bidder staff.

1. Successful bidder has to prove that the equipment is fully complying with the technical specifications of the equipment mentioned as in Section-VII. It is the responsibility of the bidder to bring all the test materials and standard to prove the performance of the equipment to the satisfaction of on site at CNP, Nashik as well as at BNP, Dewas.
2. FAT Testing is to be done for 5 days at respective unit.
3. Successful bidder has to train the operative staff for usage and the equipment and maintenance of the equipment at both sites i.e. CNP, Nashik and BNP, Dewas separately.
4. Repeatability, Reliability and Reproducibility of the equipment should be proved by the successful bidder to the satisfaction of the buyer.
5. Successful bidder has to show that the equipment is suitable for carrying out the tests for measuring depth of intaglio design on intaglio plate, ink tactility on banknote paper/thickness of printing ink on paper/other materials(as the case may be) as per the applicable ISO standards or its equivalent. All test conditions and FAT norms will be finalized amongst CNP and BNP with successful bidder.

FAT:(Final Acceptance CERTIFICATE)

Upon satisfactory completion of Final Acceptance Test, purchaser (CNP & BNP) shall issue FAC (Final Acceptance certificate) for the system supplied.



Section IX: Qualification/ Eligibility Criteria FOR PRE-QUALIFICATION BID

1. Experience and past performance:

a. The bidder (manufacturer or principal of authorized representative hereinafter referred simply as 'The Bidder') should have manufactured, supplied, installed and commissioned at least one "3D Digital Microscope" with the same or higher specifications in last five years ending on "31-03-2021".

b. 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 list of customers along with the performance report shall also be provided.

2. Capability - Equipment & manufacturing Facilities :

The Bidder must have an annual capacity to manufacture and supply at least 1 nos. of 3 D Digital Microscope.

Note: All experience, past performance and capacity/ capability related/ data should be certified by the authorized signatory of the bidder firm. The credentials regarding experience and past performance to the extent required as per eligibility criteria submitted by bidder should be verified from the parties for whom work has been done.

3. Financial standing:

a. The average annual financial turnover of the bidder firm (manufacturer or principal of authorized dealer) during the last three years, ending on March 2021 should be at INR 1,20,83,000/- as per the annual report (audited balance sheet and profit & loss account) of the relevant period duly authenticated by a Chartered Accountant/ Cost Accountant in India.

b. Bidder Firm should not have suffered any financial loss for more than one year during the last three years, ending on March 2021.

c. The net worth of the firm should

i. Not be negative on 'The Relevant Date' and

ii. Not have eroded by more than 30% in the last three years, ending on March 2021.

Note : All financial standing data should be certified by certified accountants e.g. Chartered Accountants (CA) or Cost Accountants (CMA).

4. The bidder should give a declaration that they have not been black-listed/ debarred for dealing by Government of India in the past.
5. The bidder should give declaration toward unconditional acceptance to all terms and conditions of the tender.
6. The bidder has to submit Power of Attorney for the Authorized signatory for signing the bid document and concluding the contract, if awarded.
7. The bidder has to submit a copy of PAN, GST (Reg 06).
8. This instrument has been categorized based on its utility Viz., Special Tests for measuring depth of intaglio design on metal, Tactility of ink on banknote paper for surface topography analysis. Manufacturer/manufacturers license or their authorized dealer who are exclusively appointed by the principle manufacturer to represent them in the country shall be eligible to apply or to take part in the bid.
9. One manufacturer can authorize only one dealer. There can be only one bid from the principal/manufacturer directly or any office branch or division or retailer/sub dealer. Principal/manufacturer shall meet the qualifying criteria. Retailer/sub dealer shall furnish necessary details of his business.
10. Debarment Status: Please state whether business dealings with you currently stand suspended/ banned by any Ministry/ Deptts. of Government of India or by any State Govt:
 - a. Yes (with period of Ban)
 - b. No, We, solemnly declare that neither we nor any of our affiliates or subsidiaries- including subcontractors or suppliers for any part of the contract- do not stand declared ineligible/ blacklisted/ banned/ debarred by any Government Agency anywhere in the world, for participating in its tenders, under that country's laws or official regulations.

Note : Local suppliers are exempted for experience criteria at point -1 & Turnover criteria at point 3(a) under make in India policy. The bidder has to fulfill/at all other criteria. The capability of level supplied/manufacture to the extent required shall be verified at work site of the bidder, if required.



Section X : Tender Form

Date...

.....

To

.....
.....
.....

(complete address of SPMCIL)

Ref: Your Tender document No. dated

We, the undersigned have examined the above-mentioned tender enquiry document, including amendment No. -----, dated ----- (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver..... (description of goods and services) in conformity with your above referred document for the sum shown in the price schedule(s), attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 6, read with modification, if any, in Section V – “Special Conditions of Contract”, for due performance of the contract.

We agree to keep our tender valid for acceptance for a period upto -----, as required in the GIT clause 19, read with modification, if any in Section-III – “Special Instructions to Tenderers” or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender upto the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We confirm that in case of downloaded Tender Document, we have not changed/edited its contents. We realise that in case any such change is noticed at any stage its contents. We realise that in case such change is noticed at any stage including after the award of contract, we would be liable to action under clause 44 of the GIT.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

We also solemnly declare as under:

1. MSMEs Status:

Having read and understood the Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 (as amended and revised till date), and solemnly declare the following:

(a) Company /Partnership Firm /Proprietary Concern / Society/Trust /NGO/Others (Please Specify):.....

(b) Micro/ Small / Medium Enterprise/ SSI/ Govt. Deptt. / PSU/ Others:.....

(c) Name of MSME Registering Body (NSIC/ DIC/ KVIC/KVIB etc.):.....

(d) MSME Registration no. (with copy of registration):.....

(e) Udyog Aadhaar Memorandum no.....

(f) Whether Proprietor/ Partner belongs to SC/ ST or Women category. (Please specify names and percentage of shares held by SC/ST Partners):.....

2. Penalties for false or misleading declarations: I/we hereby confirm that the particulars given above are correct and complete and also undertake to advise any future changes to the above details. We understood that any wrong or misleading self-declaration by us would be violation of code of Ethics and would attract penalties as mentioned in this tender document, including debarment.

.....
(Signature with date)

.....
(Name and designation)
Duly authorized to sign tender for and on behalf of

.....
.....



Section XI: Price Schedule

TENDER NO.

To,
(Name and Address of Purchaser)

OFFER FORM for Tender No..... Date of openingTime.....Hours.....

We hereby certify that we are established firm of manufacturers / authorized agents of M/s..... with factories at which are fitted with modern equipment and where the production methods, quality control and testing of all materials and parts manufactured or used by us are open to inspection by the representative of(Name of Purchaser). We hereby offer to supply the following items at the prices indicated below :

Schedule No.	Description	Specification	Unit	Qty	Total Price per unit (In Indian Rupees) See table below for Break-up of Price	Total value of offer (in Indian Rupees)	Terms of payments	Delivery period	Gross weight and dimensions of package per unit
1	2	3	4	5	6	7	8	9	10
1.	Design, Supply, Installation, Testing And Commissioning Of 3d Digital Microscope To Measure Ink Thickness, Tactility On Watermark Paper & Design Depth On Intaglio Plate one each for CNP & BNP.	As per Section VII	Nos.	2					
2.	Installation, Training and Commissioning of 3D microscope		Nos.	2					
3.	AMC including calibration if any after Warranty period for 1 st year		Nos.	2					
4.	AMC for 2 nd year		Nos.	2					
5.	AMC for 3 rd year		Nos.	2					



Break-up of price in Column - 6 (In Indian Rupees)

	Ex-Factory Price after considering input GST credit available to vendor	Name of Manufacturer / OEM	Country of Origin	HSN/SAC Code	GST % (including GST Cess if any) with Break-up of CGST/ STGST/ UTGST/ IGST	Per Unit GST total	Packing & Forwarding in detail	F.O.R. Station of Despatch Price	Freight (& Insurance charges) upto Destination		For Destination price	
									CNP	BNP	CNP	BNP
	A	B	C	D	E	F	G	H	I	J	K	L
Design, Supply, Installation, Testing And Commissioning Of 3d Digital Microscope one each for CNP & BNP.												
Installation, Training and Commissioning of 3D microscope												
AMC including calibration if any after Warranty period												

1. Scope of Supply: (Cost break-up of the quoted cost, showing inter-alia costs of all the concomitant Installation/ Commissioning/ Training/ Technical Support/ incidental services/ software/ accessories, considered necessary to make the proposal self-contained and complete must be indicated here.)

2. Taxation Details:

- a) PAN number
- b) Type of GST Registration (Registered, Unregistered, Composition, SEZ, RCM etc.)
- c) GSTIN number
- d) Registered Address as per GST registration and Place of Delivery for GST Purpose
- e) Contact Names, Nos. & email IDs for GST matters (Please mention primary and secondary contacts)

.....
.....

3. It is hereby certified that we have understood the General and Special Instructions to Tenderers (GIT and SIT), and also the General and Special Conditions of Contract (GCC and SCC) attached to the tender and have thoroughly examined specifications/ Quality Control Requirements and other stipulations in Section VII & VIII - Technical Specifications and Quality Control Requirements; and are thoroughly aware of the nature of stores required and our offer is to supply stores strictly in accordance with the requirements and according to the terms of the tender. We agree to abide solely by the General and Special Conditions of Contract and other conditions of the tender in accordance with the tender documents if the contract is awarded to us.

4. We hereby offer to supply the stores detailed above or such portion thereof, as you may specify in the acceptance of tender at the price quoted and agree to hold this offer open for acceptance for a period of ---- days from the date of opening of tender (i.e., upto -----), We shall be bound by the communication of acceptance dispatched within the prescribe time.

Dated.....

Signature and seal of Manufacturer/Bidder

Note:

- (i) The Bidder may prepare their own offer forms as per this proforma.

- (ii) No change in the proforma is permissible.
- (iii) No erasures or alternations in the text of the offer are permitted. Any correction made in the offer shall be initialled by the bidder.
- (iv) Figures in Columns 5 to 7 (both inclusive) and in Break-up of price in column 6, should be in both figures and words.
- (v) This Section should not bring in any new Technical Parameter that has not been mentioned in the Technical Bid.



- SECTION XII: QUESTIONNAIRE
 SECTION XIII: BANK GUARANTEE FORM OF EMD
 SECTION XIV: MANUFACTURER'S AUTHORIZATION FORM
 SECTION XV: BANK GUARANTEE FORM FOR PERFORMANCE SECURITY
 SECTION XVI: CONTRACT FORM
 SECTION XVII: LETTER OF AUTHORITY FOR ATTENDING A BID OPENING
 SECTION XVIII: SHIPPING ARRANGEMENT FOR LINER CARGOES
 SECTION XIX: PROFORMA OF BILLS FOR PAYMENTS

Please **CLICK** the link for further details

<http://cnpnashik.spmcil.com/SPMCIL/UploadDocument/SBDTEMPLATE1.pdf>
THREE BID, SINGLE STAGE (THREE PACKETS) TENDER BIDDER'S CHECK LIST BEFORE TENDER SUBMISSION

Part I: - TECHNO-COMMERCIAL BID

Sr. No.	Tender Submission Check Points	Check before submission Tick (√)
1	Earnest Money Deposit	
2	Tender Document duly Seal & Signed	
3	Term of Delivery :- FOR, each unit, duly unloaded	
4	Tender Validity 165 days as per the tender	
5	Technical Specification –Section VII as per tender	
6	Submit Manufacturer's Authorization form (As Applicable)	
7	Accept the Warranty clause as per tender (As Applicable)	
8	Submit the documents as per Qualification / Eligibility criteria – Section IX (As Applicable)	
9	Fill Tender Form – Section X duly seal & sign (Without mentioning price)	
10	Delivery Period: Acceptance of delivery period as per Section VI of tender Document.	
11	Blank price schedule format as per Section XI indicating 'XXXX'	
12	Power of Attorney for signing the bid document and contract, if awarded.	
13	Submission of Complete section II	
14	Submission of Complete Section IV	
15	Submission of Complete Section XII to XIX	

Part II: - PRICE BID

Sr. No.	Tender Submission Check Points	Check before submission Tick (√)
1	Price Bid as per Section XI (Price including all taxes & other charges)	

.....
 (Bidder's Seal & Sign)