

CURRENCY NOTE PRESS : NASHIK ROAD

(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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EOI NO: 17/2022

Date: 30.03.2022

1. Name of the organization: Currency Note Press (A Unit of Security Printing and Minting Corporation of India Limited)
2. Type of the organization: Wholly owned by Government of India
3. Reference No: EOI NO 17/2022
4. EOI Title: Supply, Installation, Testing and Commissioning of Automatic Assembly Line for Packing of Currency in Wooden Block Boards with Conveyer and Transportation of Packed Wooden Boxes through Automatic Guided Vehicles along with Vertical Storage/Retrieval System (ASRS) and Automatic Truck Loading System.
5. Category: Automation
6. Document Fee: Nil
7. Mode of Publication: National Competitive Bidding
8. Date of Announcement: 30.03.2022
9. Last Date of Submission: 22.04.2022

Brief Intent of Requirement:

Currency Note Press (CNP), a unit of Security Printing & Minting Corporation of India Ltd. located at Nashik is engaged in printing of currency/bank notes as per requirement of Reserve Bank of India for central government. CNP intends to develop a system for automatic packing of finished product with conveyor system and transportation of packed wooden boxes through automatic guided vehicles at dispatch area. The system should be capable for automatically loading the finished product into the wooden box sequentially and after completely arrangement of finished product in the box system should capture the details and mention the brief on the box i.e. denomination, prefix no., Machine no., Date & Time. Further the box has to be nailed and strapped. After completion of process the boxes shall be unloaded on a trolley or pallet for internal movement. After receipt the packed wooden boxes the same shall be stored at vertical storage system with auto retrieval system. Further stored boxes shall be taken out and load into the truck for dispatch through automatic loading system.

Description of the complete system:

Currency note press is engaged in printing of currency/bank notes and converted into the finished product. Printed sheets are fed to the final assembly line for processing. At final assembly line the sheets are cut and packed in the form of bundles. These bundles are packed and shrink wrapped. Further they were loaded on the trolley and sent for final packing section.

Now CNP intends to make a complete automatic assembly line to pack these bundles directly into the boxes. Afterwards these boxes should have to mention the denomination, prefix no., Machine no., Date & Time. The complete box has to be nailed and strapped. After completion of process the box should be unloaded on a trolley or pallet for internal movement.

The tentative process flow is described as follows:-

- a. Shrink wrap bundles are come out from conveyor will be input to proposed system.
- b. Each bundles image has been captured and pasted on the bundle with denomination, prefix, qty., production date & time.
- c. CNP intends to make a system where these bundles are to be picked and transported through a conveyor system till final packing section. Four conveyor systems shall be able to cater 450-500 bundles (Approx. weight of each bundle is 1 kg) per hour and other four shall be able to cater 100-125 bundles per hour. Approx. length of each conveyor will vary. The avg. length will be 50 mtrs.
- d. At final packing a system is to be made to carry the empty boxes till packing area with a suitable packing bag system inside the box. So that the same bag can be sealed before putting the lid of the boxes.
- e. These bundles are sorted and through robotic/cobotic system shall be packed into the boxes. As these boxes are filled with bundles then information gathered through bundles needs to be printed on the boxes.

f. Further the boxes lid to be put on the box and through automatic nailing machines these boxes to be packed.

g. Afterwards these boxes sent to automatic strapping system for both the sides. And the final box will be unloaded on a trolley through Robotics.

h. The trolley will take 10 boxes at a time and sent to dispatch section for auto storing through AGV (Forklift type). AGV shall be capable to view 360 Degree and having anti-collision system GPS based navigation.

i. Weight of each box is 120 to 125 Kgs and size is 710 x 620 x 330 mm. The storage system shall be designed for storing of 600 Pallets (i.e. each pallet consists of 10 boxes).

j. At dispatch section these trolleys/pallets are stored and as per the requirement basis they will be taken out for final dispatch.

k. Further an automatic system is to be made to load these boxes on the truck for dispatch.

Note: The interested firm may visit site before submission of offer.

The EOI submitted by the firm should cover the following:

a. Detailed technical specifications in details of the proposed facility/system.

b. Detailed project report.

c. Layout and dimensions of the proposed equipment's /system.

d. Customers list and Purchase Order copies of the customers to whom similar kind of equipment/ system have been supplied in the past with details of the equipment/ system and their addresses along with phone, fax and email addresses and performance report from them.

e. Budgetary offer for the proposed system must broadly include taxes/duties FOR Currency Note Press, Nashik basis.

f. Process flow chart.

g. Time required for successful installation and commissioning of the equipment.

h. The participating firm must provide after sales service for 7 years after successful completion of warranty period.

i. The bidder will provide warranty for 3 years and after completion of warranty, CAMC for seven year.

10. Important Instructions to Bidders for submission of the documents:

- (a) The interested & experienced bidder should also be required to submit along with Expression of Interest, a list of customers to whom they have supplied such equipment/ systems with details and performance report from their clients.
- (b) The participating bidder shall have carried out the similar project in last 3 years ending March 2021. The firm shall provide Purchase Order copies of the customers to whom such equipment/ system have been supplied in the past 03 years i.e. financial year 2018-19, 2019-20 and 2020-21 with details of the equipment/ system and their addresses along with phone, fax and email addresses and performance report from them.
- (c) The Participating bidder should give a declaration that they have not been blacklisted or debarred for dealing by Government of India or any Government in the past.
- (d) The documents in support of Expression of Interest need to be submitted duly signed by the authorized representative of the applicant with name and designation of the signatory.
- (e) The documents in support of Expression of Interest (viz. Supply order details/ Installation Certificates/ Addresses of customers and their contact numbers) need to be submitted duly signed by authorized representative of the applicant.
- (f) The principal bidder will have to directly participate in this EOI. Participation of any authorized firm by any principal bidder will not be considered.

11. Procurement Process:

Following are the details of this procurement process:

- i. At first, the Expression of Interest is being floated for above mentioned instrument.
- ii. The firms intending to participate in the EOI have to present a detailed presentation at CNP, Nashik regarding their offers of equipment/system and the cost for such visits shall be borne by firms only.
- iii. After evaluation of the responses received, a Tender will be floated incorporating all the terms and conditions, specification as per buyer's requirement. An Open tender will be floated for active participation of bidders.

12. The Bid shall be submitted in English Language only. The Authenticated copies of the documents in support or applicant's claim may be submitted in English Language.

13. The bidders will be required to give a presentation of the offered equipment/system by them on mutually agreed date after submission of the offer.

14. The bidder / applicant should submit the detailed brochures / leaflets / specification of the system offered.

15. The audited balance sheet and Profit & Loss Account statement for last three financial years ending 31.03.2021 are to be submitted along with the proposal i.e. for 2018-19, 2019-20 & 2020-21.

16. The dully filled details along with supporting documents should be sent in a sealed envelope super scribing "Expression of Interest for Supply, Installation, Testing and Commissioning of Automatic Assembly Line for Packing of Currency in Wooden Block Boards with Conveyer and Transportation of Packed Wooden Boxes through Automatic Guided Vehicles along with Vertical Storage/Retrieval System (ASRS) and Automatic Truck Loading System. 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:

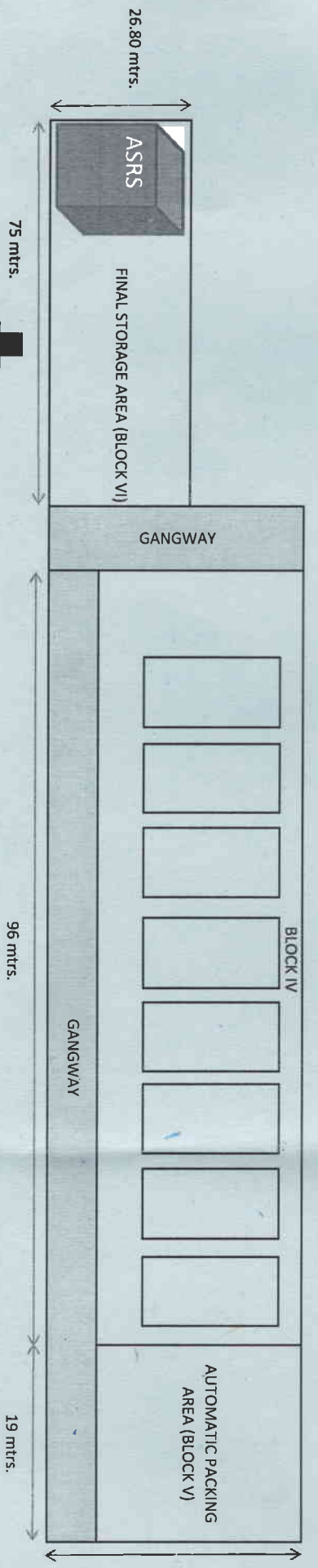
The Chief General Manager,
Currency Note Press,
Jail Road,Nashik Road-422 101
Maharashtra, India
Phone No. +91 253 2454493, Fax No: +91 253 2464100
Email: purchase.cnpnashik@spmcil.com

Last date and time for receipt of Expression of Interest: 22.04.2022 - 14:30 pm

Date and time of opening of Expression of Interest on: 22.04.2022 - 15:00 pm

Place of opening of Expression of Interest: Currency Note Press, Jail Road, Nashik Road 422 101, Maharashtra, India

(V. KIRAN KUMAR)
JT. GENERAL MANAGER (MATERIAL)
FOR CHIEF GENERAL MANAGER



AUTOMATIC TRUCK LOADING SYSTEM

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