

Event Details

Event No:SPMCIL/Currency Note Press Nashik/Technical/3/23-24/ET/7[ASRS and rail guide vehicles]				Event Status
Trade:Goods				Event Activated
Description of Event:ASRS and rail guide vehicles				Activities
Mode:E-Tender_HTML	Type Of Tender: Open	Bid Submission: Eventwise	Public Opening: YES	Published on: 18-04-2023 19:27:57.88
EMD:1981000.00 Tender Fee:Not Applicable		Document Upload:YES Coverwise Document Upload:YES		Activated on:18-04-2023 19:29:15.32 Tender Extended on: - Tender Opened on: - Price Opened on: - Event Cancelled on: -

Online Pre Bid Meeting	Bidding Period	Tender Opening Period	Price Bid Opening Date
Not Applicable	18.04.2023-08:30 PM to 26.05.2023-02:30 PM	26.05.2023-03:00 PM to 26.05.2024-03:00 PM	-

List Of Tender Document

SL. No.	Document Details	Document Type
1	23-24-ET-7[ASRS and rail guide vehicles]-171073-NIT-1229710-ASRStender.pdf	NIT

Vendor Document Upload Checklist For Technical COVER

SL. No.	Document Details
1	Tender Document duly Seal Signed
2	Term of Delivery :- as per Section VI
3	Technical Specification Section VII as per tender
4	Blank price schedule format as per Section XI indicating 'XXXX'

5	Duly sealed & signed GCC, GIT & section XII to XIX of tender document
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Vendor Document Upload Checklist For Pre Qualification COVER

SL. No.	Document Details
1	EMD and Bid Security declaration to be submitted Annexure BSD
2	Tender Validity 180 days as per the tender
3	Submit Manufacturer s Authorization form
4	Submit the documents as per Qualification / Eligibility criteria Section IX
5	Fill Tender Form Section X duly seal & sign (Without mentioning price)
6	Power of Attorney for signing the bid document and contract, if awarded.
7	Integrity Pact

Vendor Document Upload Checklist For Price COVER

SL. No.	Document Details
1	Price Bid as per Section XI Price including all taxes other charges

Tender Committee Members

Name	Designation	Office	Department	Email	Mobile No.	Encryption public key expiry date
KIRAN KUMAR VUPPALA	Jt. General Manager	Currency Note Press Nashik	Purchase,HR,Technical,Finance,IT, Marketing,R and D,Others	V.Kirankumar@spmcil.com	9096000418	2024-03-03 00:00:00.0
TUSHARKUMAR PRAKASH MAHAJAN	DGM	Currency Note Press Nashik	IT	tushar.mahajan@spmcil.com	8275022966	2024-03-03 00:00:00.0

Pre-Qualification Terms

PQ TERMS

Sl.No	Terms	Component
1	As per Prequalification criteria mentioned in tender document	Agree Only

Common Terms

TECHNICAL COVER

Sl.No	Terms	Component
1	Please refer tender document for detailed technical specifications	Agree Only

Lot Details

Lot Name 1	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
1	Capital Procurements	Total Project cost on turnkey basis as per the total scope of work technical specification available at Section VII	1.0NO	INR	-	-

Lot No: 1 Specific Terms

Lot No: 1 Price Parameters/ Formula

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	Basic Price	-	Numeric Text Only	2	No

b	Freight Charges	-	Numeric Text Only	2	No
c	Insurance other charges	-	Numeric Text Only	2	No
d	GST as applicable on a b c	-	Numeric Text Only	2	No
Price formula: a+b+c+d (Up to 2 Decimal Place)					

Lot Details

Lot Name 2	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
2	Capital Procurements	Comprehensive Annual Maintenance Contract for 07 years	84.0Month	INR	-	-

Lot No: 2 Specific Terms

Lot No: 2 Price Parameters/ Formula

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	Basic Price	-	Numeric Text Only	2	No
b	Freight Charges	-	Numeric Text Only	2	No
c	Insurance other charges	-	Numeric Text Only	2	No
d	GST as applicable on a b c	-	Numeric Text Only	2	No
Price formula: a+b+c+d (Up to 2 Decimal Place)					



Bidding Document (BD)
(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
E-mail:cgmcnp@spmcil.com
Website: www.cnpnashik.spmcil.com

(Tender Sl. No.): 001

(Date): 18.04.2023

Not Transferable

Security Classification: UNCLASSIFIED

TENDER DOCUMENT FOR DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF AUTOMATIC GUIDED VEHICLES/RAIL GUIDED VEHICLES USED FOR TRANSPORTATION OF MATERIAL (PAPER SHEETS) ALONG WITH AUTOMATIC STORAGE AND RETRIEVAL SYSTEM (ASRS) AND AUTOMATIC ARRANGING CURRENCY BUNDLES, PACKAGING, TRANSPORTATION, STORAGE IN ASRS AND LOADING INTO THE TRUCK ON TURNKEY BASIS.

Tender No. 001

dated: 18.04.2023

This Tender Document Contains 55 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



Section I: Notice Inviting Tender (NIT)

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 2461471

Fax No 00 91 253 2464100

EPABX: 00 91 253 2463730-39

Email:cgmcnp@spmcl.com

Website: www.cnpnashik.spmcl.com

(Tender Sl. No. 001)

(Date): 18/04/2023

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)	Remarks
1	DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF AUTOMATIC GUIDED VEHICLES/RAIL GUIDED VEHICLES USED FOR TRANSPORTATION OF MATERIAL (PAPER SHEETS) ALONG WITH AUTOMATIC STORAGE AND RETRIEVAL SYSTEM (ASRS) AND AUTOMATIC ARRANGING CURRENCY BUNDLES, PACKAGING, TRANSPORTATION, STORAGE IN ASRS AND LOADING INTO THE TRUCK ON TURNKEY BASIS.	01 No	Rs. 19.81 Lakhs/- Rupees Nineteen Lakhs and Eighty One Thousand Only	If the firm MSME registered for the tendered product, then bidder has to submit "Bid Security Declaration" as per Annexure - BSD

Type Of Tender (Two Bid/ PQB/ EOI/ RC/ Development/ Indigenization/ Disposal of Scrap/ Security Item etc.)	Three bid i.e. Single Stage (three packet), National Competitive Bidding
Dates of start of tender documents:	From 18/04/2023 to 25/05/2023 during office hours
Closing date and time for receipt of tenders	26/05/2023 up to 1430 Hours
Pre-Bid Meeting will be held at CNP	10/05/2023 @ 1030 Hours
Place of receipt of tenders	Currency Note Press, Nashik Road-422 101, Maharashtra, India
Time and date of opening of tenders	26/05/2023 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)	Joint General Manager (Material) Currency Note Press, Nashik Road.



2. 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 neighboring countries shall apply to this tender.
3. 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).
4. Interested tenderers 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.
5. Tenderer may also download the tender documents from the web site mentioned above and submit its tender by utilizing the downloaded documents 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).
6. Any queries regarding the tender you may please contact at 0253-261318 or 2454493 and e-mail cgm.cnp@spmcil.com / purchase.cnpnashik@spmcil.com.
7. Tenderers shall ensure that their tenders, duly sealed and signed, complete in all respects as per instructions contained in the Tender Documents, are dropped on or before the closing date and time indicated in the Para 1 above in the tender box located at the address given below , failing which the tenders will be treated as late and rejected. Tenders may also be sent through post at the address as above. However, Purchaser will not be responsible for any postal lapses or delays in receipt of the documents. In case NIT/ SIT provide for uploading of bids to nominated e-Procurement portal, bidders must upload their bids along with scanned copies as required enclosures (including proofs of cost of Tender Documents and EMD as applicable - unless an online payment gateway is provided in the instruction) as per instructions given in this regard. Original copies of such scanned uploaded required enclosures must reach in physical form within the date and place as provided in such instructions, otherwise their uploaded bid, would be declared as unresponsive.

8. 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.
9. The tender documents are not transferable.
10. 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).
11. Bidders are requested to attend a pre-bid conference for clarification on technical specifications and commercial conditions of the Tenders, on the time, Date and Place mentioned in Para 1 above, Participation in the Pre-bid conference is restricted to prospective bidders who have been invited to participate in the tender or who have purchased the tender documents. Participation is not mandatory, however, in case a bidder chooses not to participate (or fails to do so) in the pre-bid conference, it would be assumed that they have no issues regarding the Technical/ commercial specifications/conditions.
12. EMD amount shall be furnished in one of the following forms: a) NEFT or b) Account Payee Demand Draft or c) Fixed Deposit Receipt or d) Banker’s cheque or e) Bank Guarantee; in acceptable form, otherwise the tender will not be accepted in any case. The demand draft, fixed deposit receipt or banker’s cheque shall be drawn on any scheduled commercial bank in India, in favour of Currency Note Press, A unit of SPMCIL. In case of bank guarantee, the same is to be provided from/confirmed by any scheduled commercial bank in India as per the format specified under Section XIII in these documents.
13. All Bidders shall have to sign the Integrity Pact with the purchaser as per format given in Section XX; otherwise, their bids are liable to be summarily rejected.



14. SPMCIL has appointed following independent external monitors for the Integrity pact in Consultation with Central Vigilance Commission (CVC):

1. Shri. Anil Kumar, IAS (Retd.),
House No.19, Defense Enclave,
(Near Preet Vihar Metro Station),
Vikas Marg, Delhi-110092.
Email ID : anilsec1953@gmail.com

2. Ms. Nirmal Kaur, IPS (Retd.),
D-1/12, Nepal House,
Doranda,
Ranchi-834002
Email ID : nirmalkaur1983@gmail.com

15. 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.

Address:

The Chief General Manager
CURRENCY NOTE PRESS,
NASHIK ROAD, NASHIK-422 101,
MAHARASHTRA, INDIA

(V. Kiran Kumar)
Joint General Manager (Materials)
For and on behalf of Chief General Manager
Currency Note Press, Nashik
Tel No 00 91 253 2461318 / 2454493
Email: purchase.cnpnashik@spmcil.com

Address for dropping the tender documents

PASS SECTION, CISF OFFICE,
CURRENCY NOTE PRESS,
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. UNSTAMPED AND UNSIGNED PRINTOUTS OF THESE PAGES WILL NOT BE 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.

S No	GIT Clause No	Topics	SIT Provision
1	3	Eligible Tenderers	Applicable
2	3.4	Eligible Goods and Services (Origin of Goods)	Applicable
3	6.1	The tender documents includes:	No Change
4	8	Pre-bid conference	Pre-bid conference will be held at CNP on 10.05.2023 at 10.30 a.m. Bidders shall be allowed for factory visit before the pre-bid meeting and submission of queries. All the queries should reach CNP in advance by 06.05.2023.
5	9	Time Limit for receiving request for clarification of Tender Documents	Applicable
6	10.1	The Technical Bid to be submitted by Tenderer shall contain the following documents, duly filled in, as required:	No Change
7	11.2	Tender Currency	Indian Rupees Only
8	12.1	Tender Prices	Applicable
9	12.2, 33, 36.1	Schedule wise evaluation	Not Applicable
10	12.6	GST Details	No Change
11	14.1	PVC Clause & Formula	Firm Price
12	14.4 to 14.7	Exchange Rate Variation (ERV)	Not Applicable
13	16.2 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	The tenders shall remain valid for

			acceptance for a period of 180 days from the date of tender opening. Any tender valid for a shorter period shall be treated as unresponsive and rejected.
16	20.4	Number of Copies of Tenders to be submitted	In Duplicate
17	21.1	Submission of tender	<p>Pre-Qualification bid, Technical bid and Price bid are to be submitted in three separate sealed envelopes. And all these sealed envelopes should be placed in one more Outer envelope mentioning the tender no. & date and Description of the tender addressed to Chief General Manager, Currency Note Press, Nashik on or before the due date of submission of tenders.</p> <p>The envelopes containing bids shall be super scribed “Pre-Qualification Bid”, “Technical Bid” or “Price Bid”, as the case may be, for “Design, Manufacture, Supply, Installation, Testing and Commissioning of Automatic Guided Vehicles/Rail Guided Vehicles used for Transportation of Material (Paper Sheets) along with Automatic Storage And Retrieval System (ASRS) and Automatic Arranging Currency Bundles, Packaging, Transportation, Storage in ASRS and loading into the truck on turnkey basis”. The sealed envelopes shall again be put in another sealed cover and should be super scribed “TENDER FOR Design, Manufacture, Supply, Installation, Testing and Commissioning of Automatic Guided Vehicles/Rail Guided Vehicles used for Transportation of Material (Paper Sheets) along with Automatic Storage And Retrieval System (ASRS) and Automatic Arranging Currency Bundles, Packaging, Transportation, Storage in ASRS and loading into the truck on turnkey basis TILL 26/05/2023 UPTO 1430 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</p>

			<p>accepted. Postal delay/ delay by courier service etc. shall not be condoned.</p> <p>IT MAY BE NOTED THAT BID SECURITY DECLARATION AND BID VALIDITY ARE TO BE PROVIDED IN PRE-QUALIFICATION BID. FURTHER THE PRICE IS NOT TO BE QUOTED EITHER IN THE PRE-QUALIFICATION OR IN TECHNICAL BID. IT SHALL ONLY BE QUOTED IN PRICE BID. NON-ADHERENCE TO THIS SHALL MAKE BID LIABLE FOR REJECTION.</p>
18	20.9	E-procurement	Not Applicable
19	24.1	Opening of Tender	<p>The Pre-qualification bids will be opened in the first instance, at the prescribed time and date. These bids shall be evaluated by the competent committee/ authority with reference to the parameters prescribed in the Eligibility criteria at Section IX.</p> <p>Thereafter, in the second stage, the technical bids of only pre-qualified bidders (as decided in the first stage) shall be opened at a later date and time for further evaluation. These bids shall be evaluated by the competent committee/authority with reference to the parameters prescribed in the tender document.</p> <p>Subsequently, in the third stage the Price bids of only the technically acceptable offers (as decided in the second stage) shall be opened for further evaluation.</p> <p>Intimation regarding opening of Technical and Price bids shall be given to acceptable tenderers to enable them to attend the technical and price bid opening, if they so desire.</p>
20	34 and 35.1	Comparison on CIF Destination Basis	FOR CNP Nashik Road Basis
21	35.2 to 35.6	Additional factors for evaluation of offers	Not applicable
22	40	Purchaser's right to accept tender	<p><u>Supplement with the following:</u> The purchaser also reserves its right to summarily reject offers received from any</p>

			bidder, on National Security consideration.
23	43	Parallel contracts	Not applicable
24	44.1	Serious Misdemeanours	No Change
25	44.3	Integrity Pact	Applicable. The Integrity Pact to be submitted as per the format enclosed at Section XX
26	45.1	Notification of Award	No Change
27	50	Applicability of additional GIT for Rate Contracts	Not applicable
28	51	Applicability of additional GIT for PQB Tenders	Pre-Qualification criteria as per section IX of BD.
29	52	Applicability of additional GIT for Tender involving samples	Not applicable
30	53	EOI Tenders	Not applicable
31	54	Tenders for Disposal of Scrap	Not applicable
32	55	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>

SUPPLIERS ARE REQUESTED TO DOWNLOAD 36 PAGES BY CLICKING THE ABOVE SAID LINK AND SUBMIT THE SAME DULY STAMPED AND SIGNED ALONG WITH TENDER DOCUMENT. UNSTAMPED AND UNSIGNED PRINTOUTS OF THESE PAGES WILL NOT BE 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.

S No	GCC Clause No	Topics	SCC provision
1	6.1, 6.3 & 6.5	Performance Bond/ Security	Applicable @ 3% of the total Contract Value valid for a period of 60 days beyond Contractual Obligations.
2	8.2	Packing and Marking	Not applicable
3	9	Inspection and Quality Control	Applicable
4	11.2	Transportation and Domestic Goods	No Change
5	12	Insurance	No Change
6	14.1	Incidental Services	Not applicable
7	15	Distribution of Dispatch Documents for clearance/Receipt of Goods	Not applicable
8	16.2, 16.4	Warrantee Clause	Minimum 36 months from the date of issue of final acceptance certificate by CNP.
9	19.3	Option Clause	Not applicable
10	20.1	Price Adjustment clause	Not applicable
11	21.2	Taxes and duties	If the tenderer fails to include taxes and duties in the tender, no claim thereof will be considered by purchaser afterwards. Income Tax (TDS) on installation, commissioning and training in India, if levied, shall be borne by the tenderer.
12	22,22.1, 22.2, 22.4, 22.3, 22.6	Terms and mode of payments	The milestone payment is as given below: i) 30% of the material cost as per the price schedule and delivered material only, i.e. RGV along with rail, AGV, ASRS, Automatic packing system, Automatic truck loading system up on receipt & acceptance of the same at CNP. And firm has to provide Bank Guarantee for the value of 31% of the material cost.

			<p>ii) 50% of material cost against installation of each and every system, i.e. RGV along with rail, AGV, ASRS, Automatic packing system, Automatic truck loading system. And firm has to provide Bank Guarantee for the value of 51% of the material cost.</p> <p>iii) 20% of material cost after successful completion of the entire project and issue of Final Acceptance Certificate.</p> <p>iv) 100 % installation, testing, training & commissioning cost shall be paid after deduction of TDS (Tax Deducted at Source) as per prevalent rates after successful completion of the entire project and issue of Final Acceptance Certificate.</p> <p>v) The CAMC cost shall be paid on quarterly basis after acceptance of the service by CNP after deduction of TDS (Tax Deducted at Source) as per prevalent rates.</p>
13	24.1	Quantum of LD	Applicable
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

Schedule No.	Brief Description of Goods/ services	Qty (with unit)	Earnest Money (in Rs)	Remarks
1	DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF AUTOMATIC GUIDED VEHICLES/RAIL GUIDED VEHICLES USED FOR TRANSPORTATION OF MATERIAL (PAPER SHEETS) ALONG WITH AUTOMATIC STORAGE AND RETRIEVAL SYSTEM (ASRS) AND AUTOMATIC ARRANGING CURRENCY BUNDLES, PACKAGING, TRANSPORTATION, STORAGE IN ASRS AND LOADING INTO THE TRUCK ON TURNKEY BASIS.	01 No	Rs. 19.81 Lakhs/- Rupees Nineteen Lakhs and Eighty One Thousand Only	If the firm MSME registered for the tendered product, then the bidder has to submit "Bid Security Declaration" as per Annexure - BSD

1. Required Delivery Schedule: The entire project must be successfully completed and accepted within 36 weeks from the date of Purchase Order.
2. Required Terms of Delivery: FOR CNP Nashik Road
 - (i) Destination: Currency Note Press, Jail Road, Nashik Road- 422101
 - (ii) Preferred Mode of Transportation: By Road
3. All the copies of tenders shall be complete in all respects with all their attachments/ enclosures duly numbered.
4. TRAINING: The supplier shall provide detailed training for 15 (Fifteen) working days regarding functioning of the entire project and how to operate the machine to 15 (Fifteen) personnel from Purchaser at the purchaser's site.
5. AFTER SALES SERVICE: All terms and conditions related to after sales services must be clearly mentioned. Supplier shall attend periodical and breakdown maintenance of the machine during the warranty period (minimum three years) from the date of issue of (FAC) without any additional cost.
6. 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.

7. **SPARES AND SERVICE SUPPORT:** As a standard scope of supply Bidder shall supply the spare parts and consumables required for maintaining the equipment's for three years.
8. The supplier shall supply commissioning spares, oil and lubricants and consumables as may be required during installation, erection, testing, start up and initial operation of the project till completion of successful commissioning and commencement of regular operations and completion of FAC.
9. **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.
10. **INSTALLATION, COMMISSIONING AND FINAL ACCEPTANCE:**
 - a) Installation, commissioning and proving of performance to be carried out by the supplier at Currency Note Press, Nashik within stipulated time and to the satisfaction of user.
 - b) Currency Note Press, Nashik will conduct acceptance test of the delivered machine/system in the presence of the engineers from the successful bidder as per the quality control requirements given in the FAT norms.
11. **WARRANTY CLAUSE:-**
 - a) The supplier should submit the warrantee certificate that the goods supplied under the contract are new, unused of the most recent or current models and incorporate all recent improvements in design and material unless provided otherwise in the contract.
 - b) The supplier further warrants that, all the goods and work supplied under this contract shall have no defect in design, materials or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
 - c) This warranty shall remain valid for 36 months from the date of final acceptance certificate. The purchaser shall promptly notify the supplier in writing of any claims arising out under this warranty.
 - d) Upon receipt of such notice, the supplier shall repair or replace the defective goods or parts thereof without cost to the purchaser immediately.



e) If the supplier having been notified fails to take remedial measure or rectify the defect within the period specified, the purchaser may proceed to take such action as may be necessary, at the supplier's risk and expense without prejudice or any other rights, which the purchaser may have against the supplier under the contract.

Section VII: Technical Specifications

1.0 Brief Scope:

- 1.1 Supply of RGV (Rail Guided Vehicle, fork lift type SLAM AGV (Simultaneous Localization and Mapping Automatic Guided Vehicle), ASRS (Automatic Storage and Retrieval System) and integration of equipment for paper sheet storage and transportation & to develop a system for sequential arranging and automatic packing of finished product (currency bundles) and transportation of arranged bundle(s) in tray and automatic placement of currency bundles in wooden boxes, packing, weighing of the box, printing on wooden box, nailing and strapping of wooden box. Further, wooden boxes shall be transported through automatic guided vehicles at dispatch area, loading of wooden boxes into the truck and commissioning of system as a whole on turnkey basis.
- 1.2 CNP intends to transfer the material (Paper lots) from Store section to Pre-conditioning section through RGV and from Pre-conditioning Section to other sections through AGV for strengthening security aspects, ease of work and minimal involvement of manpower for currency / banknotes handling. The proposed system shall be capable to move the material (Paper lots), track the material and facility for loading and unloading of the material at various stations near printing machines. Also at each section, an ASRS shall be installed for storage of WIP & Finished Goods.
- 1.3 Further, a system should be prepared for automatically packing and loading the finished product into the wooden box sequentially. After arrangement of finished product in the box, the system should capture the details and print the brief on the box i.e. Denomination, Prefix no., Date & Time, weight etc. thereafter, the box has to be nailed and strapped. After completion of process, boxes shall be unloaded on a trolley or pallet for internal movement. After receipt of packed wooden boxes, the same shall be stored at ASRS with auto retrieval system. Then, stored boxes shall be taken out and load into the truck for dispatch through automatic loading system.

2.0 The tentative process flow is described as follows:-

1. Raw material i.e. Paper lots, shall be drawn from Main Stores and delivered to the Pre-conditioning Section through RGV (Min. 610 mm of rail track width) having canopy to protect the material from rain.
2. At Pre-Conditioning Section (Block I), an ASRS No. 1 shall be installed. The loading of the pallets on RGV will be done manually at Main Store Area and unloading of the pallet in Block-I by AGV system automatically (it means loading and unloading systems are separate).
3. The output of ASRS No. 1 will be fed to Block-II through AGV automatically.
4. At Block II, ASRS No. 2 shall be installed to store printed output material of Block II.
5. From ASRS No. 2, material shall be transferred in FIFO manner through AGV(s) as input material of Block III.

6. At Block III, ASRS No. 3 shall be installed to store output material of Block III. The loading and unloading of pallets for this ASRS will be done by AGV.
7. From Block III ASRS, material shall be transferred in FIFO manner through AGV(s) as input material of Block IV. After processing, the material will be stored in ASRS No. 4
8. At Block V, ASRS No. 4 shall be installed to store output material of Block-IV. The loading and unloading of pallets for this ASRS will be done by AGV.
9. The material stored in ASRS No. 4 will be transferred to Block VI, i.e. Finishing Machine area through AGVs.
10. The output of Finishing Machine i.e. bundles will have machine printed label and bidder has to read these labels or bidder has to develop a system to apply machine readable label on these bundles and create a data base with this information.
11. Shrink wrap bundles with label shall be serially arranged in one tray through Robotic/Cobotic System at the output of Finishing Machine. 2 such trays (each tray will consists of 50 bundles) shall be used to collect 100 Bundles. These 2 trays shall be arranged vertically & serially and transported by AGVs to the Automatic Packing System.
Note: The trays required for this activity are to be supplied by the successful bidder (approx. 250 trays)
12. While arranging the tray some bundles may be taken out from the system for cross check purpose. Also, sometimes due to the defects, bundles may get rejected which will result in two cases depending on whether Lot is Complete or Incomplete. It is further explained in Detailed Technical Specification & Scope of Work.
13. Further these trays shall be transferred to packing area i.e. Block-VII through AGV(s) in descending order i.e. highest number at the top tray and lowest number in the bottom tray.
14. At final packing section i.e. Block-VII, a conveyer shall be provided to transfer the empty boxes at robotic packing area. The empty boxes shall be loaded on the conveyer manually. Further, the bag will be placed inside the empty box manually.
15. A Robotic/Cobotic arm shall pick highest number bundle from the tray and place into the box as bottom layer and next 50 bundles from the next tray shall be placed in the top layer of the box or as per process requirement. The information gathered from the bundles should be printed on the wooden box at this stage.
16. The bag which was placed earlier in the box needs to be sealed. Further an automatic loading machine will put a wooden lid on the box. The box will be weighed on weighing machine and then, the box will be transferred to Automatic/Robotic Nailing machine to fix the wooden lid and the box will be printed with the information like denomination, prefix, box number, weight, consignee details etc. and further transfer to strapping unit to strap the box on all four sides.
17. These strapped boxes will be loaded on the trolley to carry them to Block VIII ASRS No. 5 & 6 whose storage capacity shall be 5000 wooden boxes.
18. An automatic truck loading system will be loading these boxes in a truck after printing dispatch details on these boxes through suitable printer.

19. The data of track and trace system (separate server of SPMCIL) is to be integrated with this project wherever required during execution of the project.

3.0 Technical Brief of the Project:

3.1 Block-I Pre-conditioning: This Section consists of RGV, AGV and ASRS No. 1. The specifications for RGV are at Annexure – I, the Specifications for AGV are at Annexure – II and the specifications for ASRS are at Annexure – III.

The available space for ASRS in this Block is: L= 30 meters, W= 8.5 meters, H=6 meters. Process at Block – I:- The paper lots are loaded (Wooden box) by hand pallet(s) (manually) to be placed on RGV from Main Store and transferred to Block I area. These paper lots will be unloaded by AGV for further transferring to ASRS No. 1. The ASRS No. 1 should accommodate minimum 400 numbers of Pallets (size of pallet with material is L=830 x W=800 x H=1200 mm; Weight of the Pallet with material is maximum 600 kgs).

3.1.1 These Paper lots stored in ASRS No. 1 shall be issued for production through AGV(s) to Block II and Block IV as input material in FIFO manner.

3.2 Block-II: This block consists of AGV and ASRS No. 2. The specifications for AGV are at Annexure – II and the specifications for ASRS are at Annexure – III.

The available space for ASRS is: L = 30 meters, W = 10 meters, H = 5 meters. The ASRS No. 2 should accommodate minimum 350 numbers of Pallets (size of pallet with material is L=830 x W=800 x H=1200 mm; Weight of the Pallet with material is maximum 600 kgs). The entire ASRS area should be fenced with chain link (1 x 1 inch) with lock & key door.

3.2.1 The material (paper lots) received from ASRS No. 1 through AGV should be unloaded at the designated area.

3.2.2 The output material received from machines will placed manually at designated area from where the AGV has to pick the material and store in ASRS No. 2 in FIFO manner.

3.3 Block-III: This section consists of AGV and ASRS No. 3. The specifications for AGV are at Annexure – II and the specifications for ASRS are at Annexure – III.

The available space for ASRS is: L = 30 meters, W = 10 meters, H = 5 meters.

3.3.1 The loading and unloading in ASRS No. 3 will be done through AGV and ASRS No. 3 should accommodate minimum 350 numbers of Pallets (size of pallet is L=830 x W=800 x H=1200 mm; Weight of the Pallet is maximum 600 kgs). The entire ASRS area should be fenced with chain link (1 x 1 inch) with lock & key door.

3.3.2 The material stored in ASRS No. 2 will be transferred in FIFO manner to Block –III & Block IV area through AGV and should be unloaded at designated area.

3.3.3 The output material received from machines will placed manually at designated area from where the AGV has to pick the material and store in ASRS No. 3 in FIFO manner.

3.4 Block IV: The input to this section will be brought in FIFO manner by AGV from ASRS No. 2 or ASRS No. 3 and should be unloaded at the designated area. The output of this section will be place at designated area and will be transferred through AGV to ASRS No. 4.

3.5 Block-V: This section consists of only ASRS No. 4. The available space for ASRS No. 4 is: L = 30 meters, W = 18 meters, H = 5 meters, The loading and unloading of material will be done through AGV and accommodate minimum 450 numbers of Pallets (size of pallet is L=830 x W=800 x H=1200 mm; Weight of the Pallet is maximum 600 kgs). The entire ASRS area should be fenced with chain link (1 x 1 inch) with lock & key door.

3.5.1 The material movement between Block-I to Block-V will be carried out by AGVs preferably minimum four numbers.

3.6 Block VI: Process flow for Automatic Arranging of Bundles:

3.6.1 The tentative process flow for arranging of finished product (currency bundles) and transportation of arranged bundle(s) in tray to Block – VII. The input material to this block will be transferred thorough AGVs from ASRS No. 4

3.6.2 Note Bundle details:

- a. Width: 60mm —75 mm
- b. Length: 120mm —170 mm
- c. Bundle Height: Maximum 150 mm
- d. Each Bundle Weight: 900g — 1.1kg.
- e. The gripping system shall be able to handle the bundle without causing any damage to it.

➤ Each bundle will have machine printed label and bidder has to read these labels and create a data base with this information for entire process, in case any label is missing on the bundle, then bidder has to provide the equipment which can read the currency prefix and first three numbers and apply the fresh label on bundle or firm can devise their own mechanism to make this information available on the bundle and process the flow. The bundle shall have details like denomination, prefix, qty., production date & time or any other details deemed required.

➤ Shrink wrap bundles with label shall be serially arranged in one tray through Robotic/Cobotic System at the output of Finishing Machine. The size of the tray will be 640 mm (L) x 460 mm (W) x 150 mm (H) which will accommodate 50 bundles of any denomination.



➤ After each two numbers of such trays (100 numbers of sequential bundles), the system should send these two trays to Automatic packing machine through AGV from each finishing machine.

➤ While arranging the tray some bundles may be taken out from the system for cross checking. Also, sometimes due to the defects, bundles may get rejected. These bundles shall be rectified manually and again fed to the system before shrink wrapping machine.

CASE-I: When the lot is complete:

When the 100 bundles are complete then 2 trays shall be stacked and will be transferred to packing area i.e. Block-VII through AGV(s) in descending order i.e. highest number at the top tray and lowest number in the bottom tray.

CASE-II: When the lot is incomplete:

The trays to be filled in sequential manner (Ascending or Descending order) as per the process requirement. While arranging the tray, some of the bundles may require more time to process in order to inspect quality of the output in previous operation. Also, sometimes due to the defects, bundles may get rejected. These bundles are rectified manually and again fed to the shrink wrap station of the Finishing machine. There will be a possibility that the lot is incomplete at the end of the shift. In such case these incomplete trays will be shifted to sectional vault and next shift they will be processed & completed.

After completion of such parked lot, the same shall be transferred to packaging area i.e. Block-VII through AGV(s) in descending order i.e. highest number at the top tray and lowest number in the bottom tray.

Case III: Handling of Output of Single Note Inspection Machine:

There are three numbers of single note inspection machines whose output will be 150 bundles / hr. The output of each machine shall be collected at one place and placed in trays machine wise using a robotic/cobotic system.

Each bundle will have machine printed label and bidder has to read these labels and create a data base with this information for entire process, in case any label is missing on the bundle, then bidder has to provide the equipment which can read the currency prefix and first three numbers and apply the fresh label on bundle or firm can devise their own mechanism to make this information available on the bundle and process the flow. The bundle shall have details like denomination, prefix, qty., production date & time or any other details deemed required

After this process, these trays will be transferred and fed to Automatic packing system through AGVs.

Note: The finishing machine will deliver the bundles at the speed of 450 bundles per hour per machine and CNP is having four such finishing machines. There are another three numbers of Single Note inspection machines where in each machine is having output of 150 bundles per hour. The bidder has to design a robotic/cobotic system to match the above speeds of the machines for collection of bundles.

3.7 Block – VII: Automatic packing system:

3.7.1 This section describes the tentative process for automatic packing of finished product (currency bundles), placement of currency bundles in wooden boxes, packing,

printing, nailing, weighing and strapping of wooden box. Further, wooden boxes shall transport through AGVs at dispatch area. After receipt of packed wooden boxes, the same shall be stored at Block VIII (ASRS No. 5 & 6).

- 3.7.2 The minimum throughput of one Automatic packing system shall be of minimum of 20 boxes per hour.
- 3.7.3 The successful bidder has to provide separate pallets for each finishing machine (7 numbers) and packed Wooden Boxes shall be placed on these pallets machine wise.
- 3.7.4 In this section, a conveyer shall be provided to transfer the empty boxes at packing area. The internal measurement of the empty wooden box is 710 x 620 x 330 mm approximately and will weigh 15-20 Kg approximately. The empty boxes shall be loaded on the conveyer manually. Further, the bag will be placed inside the empty box manually.
- 3.7.5 The top lid of the empty boxes shall be loaded manually into a separate loader station and from there the lid shall be transferred automatically as and when required basis.
- 3.7.6 The stacked trays coming from Block-VII shall be loaded at tray loading station. The following image is for the reference purpose only.



- 3.7.7 Each tray consists of 50 bundles shall be loaded at robotic/cobotic station. The robotic/cobotic arm shall pick highest number bundle from the tray and place into the box as bottom layer and next 50 bundles from the next tray shall be placed in the top layer of the box or as per process requirement. It is up to the firm to develop the process of transfer of bundles from the tray to wooden boxes. However, it is suggested that there should be guiding plates to be placed in the tray and they should expand to the maximum area of the box and then pick up the bundles at one go through robotic/cobotic and place it in the wooden box and same is to be repeated for next 50 bundles to complete loading of one box.
- 3.7.8 These bundles shall be sorted and packed into boxes in two layers (highest number at bottom layer and lowest number at the top layer) through Robotic/Cobotic system.

3.7.9 The bag which was placed earlier in the box needs to be sealed after filling the 100 bundles. The firm should provide the system to seal the bag before putting the lid of the wooden box. (If HDPE bag used the firm has to provide the system to automatic closing and sealing before loading lid on the top, if LDPE bag is used then the operator will close the bag but sealing is to be done automatically)

3.7.10 Further the wooden box lid is to be put on the box automatically which comes from the lid loading station.

3.7.11 Further, the wooden box shall be transferred to the Automatic/Robotic Nailing Machine to fix the lid on the wooden box. The nailing should be from the top as well as from the sides. The following image is for reference purpose only.



3.7.12 Afterwards, these wooden boxes are sent to automatic strapping system (ANNEXURE – IV) to strap two straps from each side of the box. The following image is for reference purpose only.



3.7.13 Each wooden box should be weighed and stamped/printed before placing on the unloading station. Weight of each box is 90 to 125 Kilograms approximately.

3.7.14 The firm should provide a system to print the information on two sides of the box like denomination; prefix, qty., consignee details, weight, date & time or any other details deemed required which is gathered from the bundles placed in the box through laser or suitable printer to print directly on the wooden box.

3.7.15 These strapped boxes shall be stacked on a pallet automatically and shall be sent to dispatch section for auto storing in ASRS No. 5 & 6 at Block-VIII through AGV.

Note: One line of Automatic packing machine should be designed in such a way that the output of machine should be minimum 20 numbers of packed wooden boxes per hour.

3.8 Block – VIII: Finished Goods Storage section:

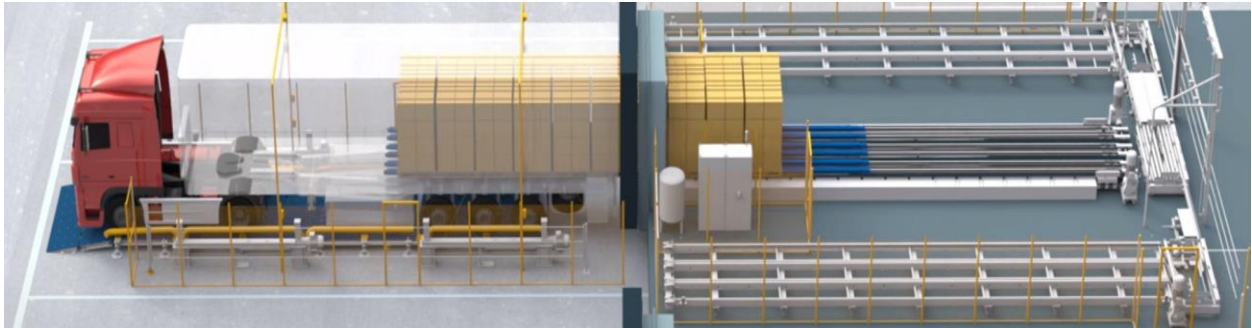
3.8.1 This section consists of ASRS No. 5 & 6 and Automatic Truck loading system.

3.8.2 The storage system shall be designed for storing of 5000 wooden boxes (box size is LWH 710 x 620 x 330 mm). The available space for ASRS No. 5 is L = 25 meters W= 12 meters H= 5.4 meters and ASRS No. 6 is L = 25 meters W= 12 meters H= 3 meters.

3.8.3 The successful bidder has to provide suitable conveyor system to transport the wooden packed boxes from ASRS No. 5 & 6 up to dispatch area for Automatic truck loading system. The distance from ASRS 5 & 6 to the truck loading system is approx.. 60 mtr and 30 mtr respectively. However, firm may visit the site for exact dimensions.

3.8.4 At dispatch section, suitable laser or suitable printing facility should be available for printing dispatch details on wooden boxes. Further, at dispatch section, these pallets are stored and as per the requirement basis, they will be taken out for final dispatch.

3.8.5 The firm should provide an automatic truck loading system to load these boxes on the truck for dispatch. Each truck should be loaded with minimum of 50 Nos. of Wooden Boxes in two layers within 30 minutes. The following image is for reference purpose only.



Note:

1. All the above images are for reference purpose only.
2. Any other items required for successful completion of the project which is not mentioned in the specification shall be in the scope of the successful bidder only.

4.0 Certificates:

1. Stability and Load Carrying capacity Certificates of ASRS issued by reputed third party to be provided by the successful bidder.

2. Test report of AGV and RGV issued by reputed third party to be provided by the successful bidder.
3. Any other certificates, if required, as per the project requirement are to be submitted by the successful bidder.

5.0 BILL OF MATERIAL:

Sr. No.	Item	Qty.	Remark
1	Battery operated RGV along with two charging stations located at loading & unloading place. Capacity 02 Ton, RGV should accommodate 2 Pallets.	02 Nos.	RGV should be covered with fixed Canopy
2	Track length	600 Mtrs.	Length is approx.
3	Forklift Type SLAM AGV along with Charging Stations	06 Nos.	
4	Boom Barrier with both side sensors to detect any crossing of vehicles to operate.	02 Nos.	For Road Crossing
5	Available height at Unloading station of RGV at ASRS No. 1 is one meter		
6	Foundation work of ASRS is in bidder scope		
7	CNP will provide suitable concrete floor for RGV track.		
8	Required earthing including pit for the system to be arranged by the Bidder		
9	High Speed Shutters with interlocking system to be provided by the bidder for AGV movement at exit point of ASRS No. 1	01 No.	At Block – I ASRS room
10	High Speed Shutters with interlocking system to be provided by the bidder for AGV movement at entry and exit point at each block	09 Nos.	
11	Automatic Packing System consisting of at least two robots (6 axis) in each line	02 lines	
12	ASRS	06 Nos.	
13	Automatic Truck Loading System	01 No.	

6.0 Controls & Hardware:

- 3.0WMS (Warehouse management system) main workstation with required configuration – 1 no.



- 4.0 The System should be controlled through the reputed PLC (preferably from SIEMENS/ABB/OMRON/ALLENBRADLY/MITSUBISHI/ FANUC / SCHNEIDER/ROCKWELL/BOSCH/BECKHOFF/FUJI/TOSHIBA/EATON)
- 5.0 Supervisory control client station PCs – 6 Nos. as per design.
- 6.0 Printer for MIS reports – 6 Nos.
- 7.0 UPS for server (30 minutes backup) for workstation + PLC network stability operations.
- 8.0 Any other item/equipment required for the project to be provided successful bidder.
- 9.0 In case of communication failure in ASRS, manual override operation provision should be provided with authorization interlocks (three levels).
- 10.0 ADDON system for each ASRS to be provided, if required.
- 11.0 Data required in SAP ERP or track and trace system of PURCHASER format should be pushed/pulled to Centralized server in CSV file. The data consist of real time production data and shift production data.

7.0 Software: The Software of Warehouse Management System (WMS) for ASRS shall include following 3 major components:

1. Inventory Control Software (ICS) Module: This module shall manage the inventory of the entire material stored in ASRS and has the database of all transactions.
2. Location Management Software (LMS) Module: The Location of each material and its status shall be continuously monitored and controlled by the location Management software module.
3. Handling Control Software (HCS) Module: Handling Control software shall monitor the movement of the equipment and controls the functions of actual process of traveling, hoisting, forking etc.
4. The software provided shall have password protected multiple user options with different privileges as admin and normal user. Data backup and clean up facilities shall be provided. The following are the reports, which shall be generated from Warehouse Management System. Any other report if required may be added during detail engineering.
 - i) Full inventory data wise report
 - ii) Item wise data report
 - iii) Location wise report
 - iv) User wise data report
 - v) Storing report (History Data)
 - vi) Issuing report (History data)
 - vii) Filled Pallet status report
5. Data of above operations shall be stored with date and time. History of these operations will be stored for 5 years (minimum) per shift basis. Format of these reports shall be finalized in coordination with PURCHASER after award of contract. However, general formats like .pdf, word or excel files shall be available as options.

8.0 SAFETY FEATURES:

8.1 Safety of system is of utmost importance. Hence, Bidder shall confirm adherence to all the following features.

8.1.1 Electrical Safety:

- i) Electrical switches that detect the end of the aisle traveling zones, resulting and ensuring safe operation at low traveling speeds at the end of the aisle and cut off traveling movements at the extreme position. Two Switches, one for PLC logic and another one for Hardware logic shall be provided.
- ii) Interlocking of traveling and forking movements.
- iii) Sensors on lift to detect status of storage location (free/ occupied) on the storage system.
- iv) The system should be provided with Lock Out Tag Out (LOTO) system.

8.1.2 Mechanical Safety:

- i) End of aisle shock absorbers/bumpers for lift.
- ii) End of travel buffer for the Lifting Carriage.
- iii) Anti-tilt mechanism for lift is extremely essential.
- iv) Resilient Rubber Pads on adjustable clamps for vibration dampening.
- v) ASRS shall be provided with enclosure/fencing with doors for ASRS No. 2, ASRS No. 3 only.
- vi) Optical curtain shall be provided for personnel safety. The same shall be provided at the place where material is picked up and delivered to avoid human interaction.

8.1.3 Safety through Software:

- i) Necessary speed control at the end of the aisle through PLC and drives.
- ii) "Time Out" logic for critical activities.
- iii) Speed, Acceleration & Deceleration control through combination of PLC & drives.
- iv) When operator enters through unauthorized place during normal operation, the system should stop.

9.0ELECTRICAL, INSTRUMENTATION & CONTROL

9.1 CONTROL PANEL:

6. Available Power at CNP: 3Ph, 440V±10%, 50±10% Hz, 4 wire system.
7. Control panel shall have facility for required operation with proper interlocks for safe operation.
8. Sufficient space and accessibility to the control panels shall be provided to carry out the maintenance comfortably.
9. Power panel and control panel with front opening door and front mounting of component and front operation.
10. The control panel shall be preferably RITTAL/HOFFMAN/STAHL with protection of IP-54.
11. The control panel shall be air-conditioned where PLC and Drives are used.
12. The control panel shall be designed for 440V ± 10%, 3 phases, 50 Hz ± 3%, 4 wire system as per applicable standards.
13. The panel and equipment's shall be provided with suitable earthing. Instrument and power earthing should be separate.
14. The panel shall be illuminated with IP54 light fittings.
15. The incoming RYB LED indication lamps shall be provided in addition to multifunction meter.

16. The motor protection shall be through MPCB or latest technology.
17. Control supply shall be through isolation transformer with suitable safety at primary and secondary. A separate isolation transformer shall be provided for feeding control supply to the instruments. MCB is to be provided at incoming and outgoing terminals of the isolation transformer.
18. Operating voltage less than or equal to 24VDC is to be used only for field instruments and sensors.
19. Audio & Visual alarm to be provided for alarms, faults, sequence failure etc. as per process requirement.
20. Emergency switch is to be provided on main panel, operator control desk, at equipment and other required locations for safety.
21. Control On switch should be provided in addition to Emergency switch at main panel and at operator station.
22. Alarms acknowledge, alarm test and alarm reset push button are to be provided on the operator station and main panel.
23. Control panel shall be provided with panel light interlocked with the panel door along with the door lock. Power supply to the panel light should be through separate MCB.
24. Each junction box, console, panels and Instruments shall be provided with proper required Earthing.
25. Dedicated earthing system shall be installed for the supplied system. Copper earthing strip should be provided from earthing pit up to the panels with proper connection at earthing terminals at control panel body, doors and at required equipment/system.
26. Double earthing terminals shall be available to connect the panel to external grid.
27. Flexible earthing connection shall be provided for the doors.
28. System shall be earthed properly through copper strips.

9.2 MOTORS: Motors used are of high energy efficient of minimum IE 3 Standard or better.

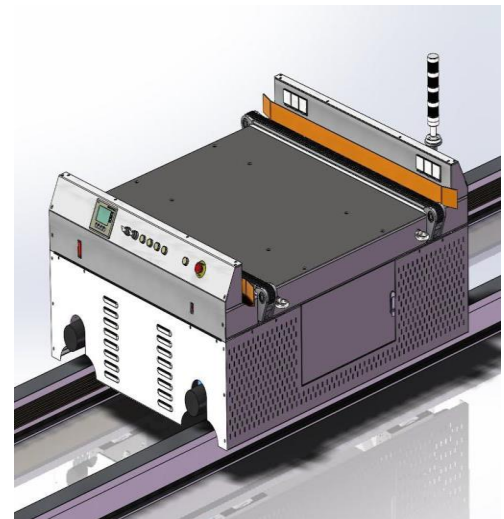
ANNEXURE – I

RAIL GUIDED VEHICLES (RGV) SPECIFICATIONS:

Sr. No.	Parameters	Value	Unit
1	Single Pallet Size	LWH 830 x 800 x 1200	mm
2	Max Payload	1000	KG
3	Section Speed (Load) min	3	m/s
4	Section Speed (No Load) min	3	m/s
5	Section Acceleration min	0.5	m/s ²
6	Track Width	Minimum 600	mm
7	No. of Rails	2	Nos
8	Obstacle Detection (Multidirectional)	1	Set
9	Parking Station and Charging Station	2	Nos

Additional Features of RGV:

- Multi-level safety & warning zones to slowdown and stop the RGV at a safe distance.
- Warning Lights & audible warning signal while approaching a turn or an obstacle; alarm signal and alarm sound in case of an encounter.
- Emergency Stop Buttons: By activating emergency state, RGV enters emergency stop state and all motion capable parts will become inactive.
- Mechanical bumpers: Equipped with a bumper sensor (plastic, metal, or foam) in case of collision that collapses and trips the limit switch to Stop the RGV.
- Safety System: 2D LIDAR sensors safety integrity level: SIL2 (IEC 61508) and vision system.
- Boom barrier with minimum length 3 mtr with bothside vehicle movement detection system interlinked with boom barrier safe operation and further RGV movement.
- Available Power at CNP: 3Ph, 440V±10%, 50±10% Hz, 4 wire system.
- The image is provided for reference only.



ANNEXURE – II

AUTOMATED GUIDED VEHICLES (AGV) SPECIFICATIONS:

Sr. No.	Specification(s)	Value
1	Type of AGV	Forklift type SLAM
2	Load capacity	Minimum 1000 Kgs
3	Guidance system	GPS/Wifi based
4	Driving, Steering system	Front/Rear wheel driving and Steering type
5	Traveling direction	Forward/Backward Sideways, and Spin turn
6	Rated speed / min	Minimum 60 m/min & Sideways 30 m/min
7	Elevating height of the pallet	Minimum 1000 mm
8	Elevating speed	Maximum 250 mm/sec
9	Reach stroke	Minimum 1350 mm
10	Reach speed	Minimum 250 mm/sec
11	Turning radius	Minimum 1500 mm (Forward/Backward) at maximum turning speed of 15 m/min
12	Stopping accuracy	Vehicle base end ±10mm, Fork end ±30mm
13	Transport pallet size	Minimum 1000×1000 mm
14	Charging	Suitable Automatic battery charging system (full charging in minimum 60 minutes)
15	Number of Charging Stations	Minimum Six
16	SLAM AGM Make	OTTO/GREY ORANGE/MURATEC/FIVES/AGILOX/TAIKISHA/ ADDVERB

FEATURES of AGV:

- Multilevel safety & warning zones to slowdown & stop the AGV at a safe distance.
- Approach without turning.
- Slow down while turning and sidewise shifting.
- Even along a passage of 2400mm in width, it is possible to gain access to the destination without changing the posture.
- A 180°spin-turn is required in a passage of 3000mm in width.
- 360° obstacle sensor and bumpers required in order to secure high safety.

Additional Requirement:

The successful bidder has to provide high speed shutters where ever required which are integrated with the movement of AGVs (i.e. the shutter will operate when there is a movement of AGV in front of it). The size of the shutters shall be decided by the bidder and provide the same in the technical bid. The clear height and width of all the shutters should be same (i.e. approx. 7 ft. x 4 ft).

ANNEXURE - III

AUTOMATIC STORAGE AND RETRIEVAL SYSTEM (ASRS)

- 1.0 The RGV will deliver the material to the ASRS No. 1 of Block -I and AGV will pick up from ASRS No. 1 of Block-I. All others blocks material delivery and collection shall be done by AGV. The ASRS is a mother child type system. The mother-child system will then store the pallets in the designated location. The Mother-Child System should get automatically charged during the idle period. All the associated accessories required for loading and unloading purpose are in the scope of bidder and if anything required to fulfill the proper operation which is not mentioned are also in the scope of the bidder.

ANNEXURE -IV

SPECIFICATION FOR FULLY AUTOMATIC STRAPPING MACHINE:

Standard Arch Size	850 mm (W) x 600 mm (H)
Strapping Size (Min.)	350 mm (L) x 400 mm (W) x 30 mm (H)
Strap Width	9,12,15,19 mm (PET option)
Strapping Tension	0 – 70 Kgs
Strapping Speed	Min. 2.4 Sec/strap (25 Strap/min)



BASIC FEATURES OF FULLY AUTOMATIC STRAPPING MACHINE:

- Adjustable conveyer height
- Fold-out belt conveyer system
- Four swivel castor with belts
- Closed strap arch system
- Heat seal
- Automatic strap feeder
- Automatic strap and ejection
- Strap loop ejection for cycles without product
- Cycle counter
- Electronic control system with microprocessor + PLC, free memory capacity for peripheral modules
- Machine stop button
- Dispenser position: Side mounted
- Electrical power cable
- Photocell for detecting and positioning the package
- Detection for strap not in position
- Detection for no strap



Section VIII: Quality Control Requirements

FINAL ACCEPTANCE TEST (FAT):

FAT: Upon completion of erection and commissioning work, testing will be conducted to assess the performance of machine as per the technical specification, at CNP, Nashik. The following acceptance tests are to be executed by the firm.

- a) Extensive trial of all the equipment shall be carried out for minimum of six working days during normal working hours (8 hours excluding lunch hour).
- b) The FAT will be carried out for a period of fifteen full working days during normal working hours (i.e. 8 effective hours per shift) after commissioning of the system. The FAT will be considered comprising all the items together, however for individual item wise performance will be measured as indicated below:
 - 1) Rail Guided Vehicle: Transportation of atleast 64 nos of pallets in 8 hrs. by using 2 nos of RGVs
 - 2) Automatic Storage and Retrieval System: located at various places will be tested for smooth transfer of pallets / boxes to handle atleast 120 boxes / 24 pallets whichever applicable for eight hour operation.
 - 3) Automatic Guided Vehicle: It should be tested with lifting capacity and travel speed as mentioned in Section VII for 8 hrs operation.
 - 4) Automatic Packing System: To achieve 120 boxes throughput in 8 hrs by two packing lines
 - 5) Truck Loading System: Maximum 50 boxes / 30 min as mentioned in Section VII
- c) All consumable, if any required for the period of FAT shall be arranged by the supplier himself.
- d) If any break down occurs, which is not attributable to CNP, then the FAT will re-start from that date for a period as mentioned above.

Final Acceptance Certificate: Upon satisfactory completion of FAT, Purchaser shall issue FAC (Final Acceptance certificate) for the machine.

SECTION IX: ELIGIBILITY CRITERIA

FOR PRE-QUALIFICATION BID

1. Experience and past performance:

The following criteria are prescribed as Pre-Qualification criteria for Bidders interested in undertaking this project:

#	Eligibility Criteria	Applicability	Supporting documents required
A. General			
1.	Bidder*/Consortium Members* shall be either proprietary firm/ Limited Liability Partnership (LLP)/ Company/ Partnership/ (Legal Entity) registered under relevant regulations in India.	Single Bidder – Bidder Consortium / JV– Lead Bidder	Company’s registration / Certificate of incorporation / Partnership Deed / Any other registration certificate (as applicable)
2.	Bidder should have valid GST registration certificate	Single Bidder – Bidder Consortium / JV – Lead Bidder	Copy of GST certificate
3.	Bidder should have valid PAN card	Single Bidder – Bidder Consortium / JV – Lead Bidder	Copy of PAN card
4.	Bidder should not have been blacklisted / debarred by SPMCIL or its units/ BRBNMPL/ BNPMIPL/ Government of India as on date of bid submission.	Single Bidder – Bidder Consortium / JV – All members	Declaration on company’s letter head duly Signed & sealed
B. Experience & Past Performance			
	Bidder/Consortium Member shall be a manufacturer that has regularly for at least the last three years manufactured, supplied, installed and commissioned i) Automatic Storage and Retrieval System having minimum 500 MT storage capacity. ii) Automatic Packing System of handling	Single Bidder – Bidder Consortium / JV – Any Member	Documents required in case of Completed project: Copy of Purchase Order / Work order / Agreement / Contract + Completion certificate from Client on client’s letterhead + Assignment Details. Note: i) The credentials regarding experience and past performance to the extent required as per eligibility

	<p>minimum payload of 90 kg per box.</p> <p>iii) Forklift type SLAM Automatic Guided Vehicle of minimum lifting capacity 1000 kg.</p> <p>Bidder/Consortium Member should have experience of manufacture, supply, install and commission least one number each of these items as above in last 05 years ending 31.03.2022.</p>		<p>criteria submitted by the bidder may be verified by CNP, Nashik from the parties to whom work has been done.</p> <p>ii) The total value of the experience requirement can be met individually by any member of consortium/JV or in combined of all the members of consortium/JV</p>
2	<p>Atleast One number of product offered for supply should be in successful operation for atleast one year on the date of bid opening.</p>	<p>Single Bidder – Bidder</p> <p>Consortium / JV – Any Member</p>	<p>Documents required in case of Completed project: Copy of Purchase Order / Work order / Agreement / Contract + Completion certificate from Client on client's letterhead + Assignment Details and Successful operation certificate from the client on client's letter head.</p>
C. Capability & Capacity			
1	<p>Bidder/Consortium Member should have annual capacity to execute at least one similar successful project of Automatic Guided Vehicles/Rail Guided Vehicles used for transportation Of Material / Automatic Storage And Retrieval System (ASRS) And Automatic Robotic/Cobotic Packaging, Transportation, Storage in ASRS and loading into the Truck.</p>	<p>Single Bidder – Bidder</p> <p>Consortium / JV – Any Member</p>	<p>Documents required for the purpose of capacity and capability:</p> <p>Copy of Purchase Order / Work order / Agreement / Contract + Completion certificate from Client on client's letterhead + Assignment Details.</p>
D. Financial Standings (Lead Bidder only in case of Consortium)			
1	<p>Average annual turnover of the bidder's firm during last three years period ending 31.03.2022 should be more than Rs. 15.9 Crores.</p>	<p>Single Bidder – Bidder</p> <p>Consortium / JV – Lead Bidder</p>	<p>CA Audited Balance sheet and Profit & Loss statement for FY 2021-22, 2020-21, 2019-20</p>

2	Bidder Firm should not have suffered any financial loss for more than one year during the last three years ending 31.03.2022	Single Bidder – Bidder Consortium / JV – Lead Bidder	CA Audited Balance sheet and Profit & Loss statement for FY 2021-22, 2020-21, 2019-20
3	Net worth of the Bidders firm should a. Not be in negative as on 31.03.2022 b. Not have eroded by more than 30% in the last three years, ending on 31.03.2022.	Single Bidder – Bidder Consortium / JV – Lead Bidder	Relevant Certificate from Chartered Accountants

A. Applicability in Special Cases

1. **Applicability to ‘Make in India’ :Bidders** (manufacturer or principal of authorized representative) If the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement/ transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phased increase in local content, and who while meeting all other criteria above, except for any or more of sub-criteria in Experience and Past Performance above, would also be considered to be qualified provided:
 - i.) Their foreign manufacturer who holds intellectual property rights, meets all the criteria above without exemption, and
 - ii.) The Bidder submits appropriate documentary proof for technology collaboration agreement/ transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phased increase in local content.
 - iii.) The bidder (manufacturer or principal of authorized representative) furnishes along with the bid a legally enforceable undertaking jointly executed by himself and such foreign Manufacturer for satisfactory manufacture, Supply (and erection, commissioning if applicable) and performance of ‘The Product’ offered including all warranty obligations as per the general and special conditions of contract.
2. **Authorized Representatives:** Bids of bidders quoting as authorized representative of a principal manufacturer would also be considered to be qualified, provided:
 - i.) Their principal manufacturer meets all the criteria above without exemption, and
 - ii.) The principal manufacturer furnishes a legally enforceable tender-specific authorization in the prescribed form assuring full guarantee and warranty obligations as per the general and special conditions of contract; and

- iii.) The bidder himself should have been associated, as authorized representative of the same or other Principal Manufacturer for same set of services as in present bid (supply, installation, satisfactorily commissioning, after sales service as the case may be) for same or similar 'Product' for past three years ending on 'The Relevant Date'.
3. **Start-up Enterprises:** Requirements of prior experience and turnover would be relaxed for Start-up enterprises as recognized by Department for Promotion of Industry and Internal Trade (DPIIT), subject to their meeting the quality and technical specifications. Such Start-ups maybe either MSE or otherwise.
4. **Notes for Bidders:-**
- i. Along with all the necessary documents/certificates required as per the tender conditions, the bidder should furnish a brief write-up, backed with adequate data, explaining his available capacity (both technical and financial), for manufacture and supply of the required goods/ equipment, within the specified time of completion, after meeting all their current commitments.
 - ii. Supporting documents submitted by the bidder must be certified as follows:
 - iii. All copy of supply/ work order; respective completion certificate and contact details of clients; *documents issued by the relevant Industries Department; National Small Industries Corporation (NSIC); manufacturing licence, annual report, etc.,* in support of experience, past performance and capacity/ capability should be authenticated by the by the person authorised to sign the tender on behalf of the bidder.
 - iv. All financial standing data should be certified by certified accountants, for example, Chartered Accountants/ Cost Accountants in India and equivalent in relevant countries; and



Section X : Tender Form

Date :

To,
Currency Note Press, Nashik
A Unit of Security Printing & Minting
Corporation of India Limited
Wholly Owned by Govt. of India
Nashik
(complete address of SPMCIL)

Ref: Your Tender document No. 001 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 realize that in case any 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. Make in India Status:

Having read and understood the Public Procurement (Preference to Make in India PPP_MII) Order, 2017 (as amended and revised till date) and related notifications from the relevant Nodal Ministry/ Department, and solemnly declare the following:

- (a) Self-Certification for category of supplier:
 - Class-I Local Supplier/
 - Class-II Local Supplier/
 - Non-Local Supplier.
- (b) We also declare that
 - There is no country whose bidders have been notified as ineligible on reciprocal basis under this order for offered product, or Tender Form

SPMCIL

- We do not belong to any Country whose bidders are notified as ineligible on reciprocal basis under this order

3. Restrictions on procurement from bidders from a country or countries, or a class of countries under Rule 144 (xi) of the General Financial Rules 2017 Having read and understood the Order (Public Procurement No. 1) issued vide F.No.6/18/2019-PPD dated 23rd July 2020 (and its amendments if any) by Department of Expenditure, Ministry of Finance under the above provision and solemnly declare the following:

- We do not belong to any Country whose bidders are notified as ineligible under this order

4. 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:

- Yes (with period of Ban)
- 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.

5. 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

SUMMARY OF PRICE SCHEDULE: PRICES SHOULD BE ON FOR CNP, NASHIK ROAD BASIS

Furnish complete list of equipment's and accessories which constitutes the project

Tender No. 001

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:

Table A: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF AUTOMATIC GUIDED VEHICLES/RAIL GUIDED VEHICLES USED FOR TRANSPORTATION OF MATERIAL (PAPER SHEETS) ALONG WITH AUTOMATIC STORAGE AND RETRIEVAL SYSTEM (ASRS) AND AUTOMATIC ARRANGING CURRENCY BUNDLES, PACKAGING, TRANSPORTATION, STORAGE IN ASRS AND LOADING INTO THE TRUCK ON TURNKEY BASIS.

Sl. No	Item description	HSN CODE / SAC NO.	UOM (Unit of measurement)	Basic/ Unit price (Rs)	Freight charges (Rs)	Insurance /Other charges (if any) (Rs)	IGST @...%	CGST @...%	SGST @...%	UNIT rate per unit (Rs) (FOR CNP, Nashik) inclusive of GST, freight and insurance charges (if any)	Offer ed Quantity	Total amount for required quantity of equipments (Rs) (FOR CNP, Nashik) inclusive of GST, freight insurance charges and Other Charges (if any)
1	2	3	4	5	6	7	8	9	10	11	12	13
i.	Total Project cost on turnkey basis as per the total scope of work / technical specification available at Section VII		No.								01	
ii.	Item wise break up of prices including installation & commissioning on Turnkey basis											
A	Supply of RGV		Set								2	
	Installation & Commissioning Charges		Set								2	
B	Supply of AGV		No.								6	
	Installation & Commissioning Charges		No.								6	
C	Supply of ASRS NO. 1		No.								1	
	Installation & Commissioning Charges		No.								1	

D	Supply of ASRS No. 2		No.								1	
	Installation & Commissioning Charges		No.								1	
E	Supply of ASRS No. 3		No.								1	
	Installation & Commissioning Charges		No.								1	
F	Supply of ASRS No. 4		No.								1	
	Installation & Commissioning Charges		No.								1	
G	Supply of ASRS No. 5		No.								1	
	Installation & Commissioning Charges		No.								1	
H	Supply of ASRS No. 6		No.								1	
	Installation & Commissioning Charges		No.								1	
I	Supply of Automatic Packing System		Set								1	
	Installation & Commissioning Charges		Set								1	

J	Supply of Automatic truck loading		Set								1	
	Installation & Commissioning Charges		Set								1	

Table B: Comprehensive Annual Maintenance Contract

Sl. No	Item description	HSN CODE / SAC NO.	UOM (Unit of measurement)	Basic/ Unit price (Rs)	IGST @...%	CGST @...%	SGST @...%	UNIT rate per unit (Rs) (FOR CNP, Nashik) inclusive of GST, freight and insurance charges (if any)	Quantity (Months)	Total amount for required quantity of equipments (Rs) (FOR CNP, Nashik) inclusive of GST, freight insurance charges and Other Charges (if any)
1	2	3	4	5						
i.	For First year		Job						12	
ii.	For Second year		Job						12	
iii.	For Third year		Job						12	
iv.	For Fourth year		Job						12	
v.	For Fifth year		Job						12	
vi.	For Sixth year		Job						12	
vii.	For Seven year		Job						12	
GRAND TOTAL										



1. Bidders have to quote for both Table A and Table B. The lowest quoted bidder will be evaluated based on the Table A + Table B. However, the decision of placing order for Table B will be taken at the time of order placement.
2. Scope of Supply includes all the elements required for execution of the tendered project: (Cost break-up of the quoted cost, showing inter-alia costs of all the components considered necessary to make the proposal self-contained and complete must be indicated here.)

3. 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



- Notes-**
- 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. The priced list of spare parts shall be enclosed with the Price Bid separately. The Un-Priced list of spare parts has to be submitted along with the Technical Bid. The offer with any deviation in this table is liable for rejection.

Section XX: Integrity Pact

(Ref Para 44.3 of GIT)

(To be signed on Plain Paper)

This Agreement (hereinafter called the Integrity Pact) is made on _____ day of the month of _____ 202__ at _____, India

BETWEEN

SPMCIL, a Miniratna Category I, Public Sector Enterprise of the Ministry of Finance, Government of India, (hereinafter called the “The Principal”, which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part

AND

M/s. _____ (hereinafter called the “The Bidder/Contractor” which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

PREAMBLE

The Principal’ intends to award, under laid down organizational procedures, contract/s for _____, ‘The Principal’ values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness / transparency in its relations with its Bidder(s) and / or Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitors (IEMs) who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 - Commitments of the ‘The Principal’

1. ‘The Principal’ commits itself to take all measures necessary to prevent corruption and to observe the following principles: -
 - a. No employee of the Principal, personally or through family members, will in connection with the tender for , or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - b. The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential /additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - c. The Principal will exclude from the process all known prejudiced persons.

2. If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there

be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

Section 2 - Commitments of the 'Bidder / Contractor'

1. The 'Bidder/ Contractor' commit themselves to take all measures necessary to prevent corruption. The 'Bidder/ Contractor' commit themselves to observe the following principles during participation in the tender process and during the contract execution.
 - a. The 'Bidder/ Contractor' will not, directly or through any other person or firm, offer, promise, or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
 - b. The 'Bidder/ Contractor' will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the bidding process.
 - c. The 'Bidder/ Contractor' will not commit any offence under the relevant IPC/PC Act; further the 'Bidder/ Contractor' will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals, and business details, including information contained or transmitted electronically.
 - d. The 'Bidder/ Contractor' of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly, the Bidder/Contractors of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder/Contractor. Further, as mentioned in the Guidelines all the payments made to the Indian agent/representative have to be in Indian Rupees only. Copy of the "Guidelines on Indian Agents of Foreign Suppliers" is placed at Annex to this agreement.
 - e. The 'Bidder/ Contractor' will, when presenting their bid, disclose any and all payments made, is committed to, or intends to make to agents, brokers, or any other intermediaries in connection with the award of the contract.
 - f. Bidder /Contractor who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision in the matter.
2. The 'Bidder/ Contractor' will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 - Disqualification from tender process and exclusion from future contracts

If the 'Bidder/Contractor', before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put their reliability or credibility in question, the Principal is entitled to disqualify the 'Bidder/Contractor' from the tender process or take action as per the procedure mentioned in the "Guidelines on Banning of business dealings".

Section 4 - Compensation for Damages

- 1) If the Principal has disqualified the 'Bidder/ Contractor' from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover from 'Bidder/ Contractor' the damages equivalent to Earnest Money Deposit/ Bid Security.
- 2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

Section 5 - Previous transgression

- 1) The Bidder declares that no previous transgressions occurred in the last three years with any other Company in any country conforming to the anti-corruption approach or with any Public Sector Enterprise in India that could justify his exclusion from the tender process.
- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in "Guidelines on Banning of business dealings".

Section 6 - Equal treatment of all Bidders / Contractors / Subcontractors

- 1) In case of Sub-contracting, the Principal Contractor shall take the responsibility of the adoption of Integrity Pact by the Sub-contractor.
- 2) The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.
- 3) The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 - Criminal charges against violating Bidder(s) / Contractor(s) / Subcontractor(s)

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

Section 8 - Independent External Monitor

- 1) The Principal appoints competent and credible Independent External Monitor for this Pact after approval by Central Vigilance Commission.

The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

- 2) The Monitor is not subject to instructions by the representatives of the parties and performs his/her functions neutrally and independently. The Monitor would have access to all Contract documents, whenever required. It will be obligatory for him / her to treat the information and documents of the Bidders/Contractors as confidential. He/ she reports to the Chairman and Managing Director of SPMCIL.
- 3) The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his/her request and demonstration of a valid interest, unrestricted and unconditional access to their project documentation. The same is applicable to Sub-contractors.
- 4) The Monitor is under contractual obligation to treat the information and documents of the Bidder/ Contractor(s) / Sub-contractor(s) with confidentiality. The Monitor has also signed declarations on 'Non-Disclosure of Confidential Information' and of 'Absence of Conflict of Interest'. In case of any conflict of interest arising at a later date, the IEM shall inform Chairman and Managing Director of SPMCIL and recuse himself / herself from that case.
- 5) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
- 6) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he/she will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit nonbinding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action, or tolerate action.
- 7) The Monitor will submit a written report to the Chairman and Managing Director of SPMCIL within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
- 8) If the Monitor has reported to the Chairman and Managing Director of SPMCIL, a substantiated suspicion of an offence under relevant IPC/ PC Act, and the Chairman and Managing Director of SPMCIL has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
- 9) The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration



This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.

If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by Chairman and Managing Director of SPMCIL.

Section 10 - Other provisions

- 1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e., New Delhi.
- 2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- 4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 5) Issues like Warranty / Guarantee etc. shall be outside the purview of IEMs.
- 6) In the event of any contradiction between the Integrity Pact and its Annexure, the Clause in the Integrity Pact will prevail.

<p>For and On behalf of the Principal</p> <p><i>(Name of the Officer and Designation)</i> <i>(Office Seal)</i></p>	<p>For and On behalf of Bidder/Contractor</p> <p><i>(Name of the Officer and Designation)</i> <i>(Office Seal)</i></p>
---	---

Place:

Date:

Witness 1:

(Name & Address)

Witness 2:

(Name & Address)

Annex to Integrity Pact

Guidelines for Indian Agents of Foreign Suppliers

- 1.0 There shall be compulsory registration of agents for all Global (Open) Tender and Limited Tender. An agent who is not registered with SPMCIL shall apply for registration in the registration form with appropriate unit.
- 1.1 Registered agents will file an authenticated Photostat copy duly attested by a Notary Public/Original certificate of the Principal confirming the agency agreement. It should cover - the precise relationship, services to be rendered, mutual interests in business - generally and/ or specifically for the tender. Any commission/remuneration/ salary/ retainer ship, which the agent or associate receives in India or abroad from the OEM, whether should be brought on record in the Agreement and be made explicit.
- 1.2 Wherever the Indian representatives have communicated on behalf of their principals and the foreign parties have stated that they are not paying any commission to the Indian agents, and the Indian representative is working on the basis of salary or as retainer, a written declaration to this effect should be submitted by the party (i.e., Principal) before finalizing the order.
- 2 Disclosure of particulars of agents/ representatives in India, if any.
 - 2.1 Tenderers of Foreign nationality shall furnish the following details in their offers:
 - 2.1.1 The 'Bidder/ Contractor' of foreign origin shall disclose the name and address of the agents/ representatives in India if any and the extent of authorization and authority given to commit the Principals. In case the agent/ representative be a foreign Company, it shall be confirmed whether it is existing Company and details of the same shall be furnished.
 - 2.1.2 The amount of commission/ remuneration included in the quoted price(s) for such agents/ representatives in India.
 - 2.1.3 Confirmation of the Tenderer that the commission/remuneration, if any, payable to his agents/ representatives in India, may be paid by SPMCIL in Indian Rupees only.
 - 2.2 Tenderers of Indian Nationality shall furnish the following details in their offers:-
 - 2.2.1 The 'Bidder/ Contractor' of Indian Nationality shall furnish the name and address of the foreign principals, if any, indicating their nationality as well as their status, i.e., whether manufacturer or agents of manufacturer holding the Letter of Authority of the Principal specifically authorizing the agent to make an offer in India

- in response to tender either directly or through the agents/ representatives.
- 2.2.2 The amount of commission/ remuneration included in the price (s) quoted by the Tenderer for himself.
- 2.2.3 Confirmation of the foreign principals of the Tenderer that the commission/ remuneration, if any, reserved for the Tenderer in the quoted price(s), may be paid by SPMCIL in India in equivalent Indian Rupees on satisfactory completion of the Project or supplies of Stores and Spares in case of operation items.
- 2.3 In either case, in the event of contract materializing, the terms of payment will provide for payment of the commission/remuneration, if any payable to the agents/ representatives in India in Indian Rupees on expiry of 90 days after the discharge of the obligations under the contract.
- 2.4 Failure to furnish correct and detailed information as called for in paragraphs above will render the concerned tender liable to rejection or in the event of a contract materializing, the same liable to termination by SPMCIL. Besides this there would be a penalty of banning business dealings with SPMCIL or damage or payment of a named sum.



Annexure-BSD

Bid Security Declaration Format

(To be printed on letter head of bidder)

Date:

To,
The Chief General Manager
Currency Note Press
Nashik Road

Sub: Bid Security Declaration-Reg.

Ref: 1. Tender No. _____ Dtd: _____

2. Bidder's offer no. _____ Dtd: _____

I, _____ (Name of authorized signatories), on behalf of _____ M/s. _____ (Bidder's name and address), duly authorized to sign the tender document and enter into contract, if awarded, herewith accept that that if the bidder withdraw (or) modify our bid during period of validity (i.e. for 180 days from the bid due date), etc, the bidder will be suspended/debarred/blacklisted for a period of Two years from the due date of the tender.

(Signature of Authorized Signatory)

Designation:

Name of Bidder:

Seal:

- 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 A: PRE-QUALIFICATION BID:

Sr. No.	Tender Submission Check Points	Check before submission Tick (✓)
1	EMD and Bid Security declaration to be submitted (Annexure BSD)	
2	Tender Validity 180 days as per the tender	
3	Submit Manufacturer's Authorization form (As Applicable)	
4	Submit the documents as per Qualification / Eligibility criteria – Section IX (As Applicable)	
5	Fill Tender Form – Section X duly seal & sign (Without mentioning price)	
6	Power of Attorney for signing the bid document and contract, if awarded.	
7	Integrity Pact	

Part B: TECHNICAL BID

Sr. No.	Tender Submission Check Points	Check before submission Tick (✓)
1	Tender Document duly Seal & Signed	
2	Term of Delivery :- as per Section VI	
3	Technical Specification –Section VII as per tender	
4	Delivery Period: Acceptance of delivery period as per Section VI of tender Document.	
5	Blank price schedule format as per Section XI indicating 'XXXX'	

Part C: - 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)