

**NAHEP****IDP- PROJECT**

UP PT. DEEN DAYAL UPADHYAYA PASHU CHIKITSA VIGYAN
VISHWAVIDYALAYA EVAM GO- ANUSANDHAN SANSTHAN, (DUVASU)
MATHURA

Email: - spoduvasu@gmail.com

Phone (m) :- 9457210849

**INVITATION FOR QUOTATIONS FOR SUPPLY OF
GOODS UNDER NATIONAL SHOPPING PROCEDURES**

Letter No:250/DUVASU-IDP/2021-22

Dated:-23-09-2021

Reference No: IN-DUVASU-MATHURA-188201-GO-RFQ

To

- University Notice Board

Dear Sirs,

Subject: invitation for quotations for supply of "LS 3D RFID Security System (2 Panel System) ISO 15693 RFID Tags (49*81 mm/1.93*3.19) for station self issue kiosk acrylic : 22.5" touch screen branded PC

1. You are invited to submit your most competitive quotation for the following goods:-

Brief description of the goods	Specification*	Quantity	Delivery period	Place of delivery	Installation requirement if any
RFID SECURITY SYSEMT FOR LIBRARY WITH RFID TAGS, RFID STAFF STATION, SELF ISSUE KIOSK WITH 22.5" TOUCH SCREEN BRANDED PC	RFID SECURITY SYSEMT FOR LIBRARY WITH RFID TAGS, RFID STAFF STATION, SELF ISSUE KIOSK WITH 22.5" TOUCH SCREEN BRANDED PC Detailed specification as per Annexure-1 & 2	(2 Panel System) Complete system as per attached annexure-1	One month from notification of award of contract	DUVASU , Mathura	YES

* Where ISI certification marked goods are available in market, procurement should generally be limited to goods with those or equivalent marking only

2. Government of India has received a credit from the International Bank for Reconstruction and Development (IBRD) in various currencies towards the cost of the National Agriculture Higher Educational Project (NAHEP) and

intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

- a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re-writing.
- b) All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.
- c) GST in connection with the sale shall be shown separately.
- d) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- e) The Prices shall be quoted in Indian Rupees only.
- f) All Quotation should be submitted with three years of AMC (One Year Warranty+2 years of AMC).
- g) The supplying firm should have a minimum turnover of three times of the values of good (as per the quotation) in the last three financial years which should be verified by a CA.
- h) Should posses GST/PAN/ITR of last three years.
- i) Experience of supplying the goods to government organization (documentary support with order copies)
- j) Users list (duly Self attested and stamped)
- k) Certificate for non blacklisting on Rs.100/- Notarized Stamp paper
- l) The successful quotee should have to submit performance security equivalent to 10% of the order at the time of signing of contract.
- m) Bidder must quote rate on prescribed Performa and it should be duly dated, signed and stamped by the bidder in absence of which the quotation may not be accepted and the decision of quotation evaluation committee shall be final in this regard.

Following services are required in Koha (Open Source Library Management Software):

S. No.	Description of Expected Services
1	Installation on Cloud server, configuration of the latest stable version of Koha LMS using the open source community version Koha, on Linux server
2	Data Migration from existing koha installation which is on local server (History, Bibliographic etc.) 25,000 records
3	Configure and implement all the Koha supported modules such as Acquisition, Circulation, Cataloging, Serials, Reports, Administration, Patron, Tools, Lists, Authorities, Barcoding, and other standard utilities available in Koha stable version
4	Configure Koha OPAC site
5	Implementation of Offline Circulation module
6	Remote support and helpdesk facilities for Library staff for day to day use of Koha LMS
7	2 Days Offline training on side
8	Data entry of 3,000 records approx

3. Each bidder shall submit only one quotation.

4. **Validity of Quotation**

Quotation shall remain valid for a period not less than 45 days after the deadline date specified for submission.

5. **Evaluation of Quotations**

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

- a) are properly signed ; and
- b) Conform to the terms and conditions, and specifications.

The Quotations would be evaluated separately for each item.

GST in connection with sale of goods shall not be taken into account in evaluation.

6. **Award of contract**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

6.1 Not with standing the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

6.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

7. Part payment or part supply orders will not be accepted. The payment will be made immediately after delivery of Goods/Setup/installation/training/assignment /physical & Functional verified as per signed up/award of contract.

8. The necessary catalogue, leaf lets, operational manual or any other printed material related to goods/material should be provided during completion of contract.

9. Normal commercial warranty/ guarantee shall be applicable to the supplied goods.

10. The rates/prices should be FOR, DUVASU, Mathura (UP) India. All leakages-breakage and losses in transit including shortages, if any will be borne by the firm/supplier.

11. The firm should provide proof of GST registration no. / Tin no. / PAN no. and all legislative documents/Experience related documents required.

12. **Onsite installation and technical demonstration/training** should be provided by the supplier in consultation with expert team member of IDP, DUVASU, Mathura (UP).

13. In case, any holiday is declared by the Government on the day of opening, the bids will be opened on the next working day at the same time. The Principal Investigator, NAHEP – IDP, DUVASU, Mathura reserves the right to accept or reject any or all the bids.

14. The bids of firm (s) which have either been black-listed by DUVASU, Mathura or any other Govt. organization will not be accepted. In this regards, the firm has to give an undertaking on the enclosed format.

15. You are requested to provide your offer by registered/Speed post or deposit in the office of store purchase officer DUVASU Mathura latest by **on or before 06-10-**

2021 up to 11:00 Am in the name of PI, NAHEP The bids will be opened on **Same Day at 03:00 PM** in the office of undersigned. All suppliers/firms are requested to be present in the chamber of undersigned

16. The firms interested in quotation should send separate quotation in sealed envelope. Each quotation should be placed in a separate envelope. No combined application will be entertained. The name of the item **"RFID SECURITY SYSEMT FOR LIBRARY WITH RFID TAGS, RFID STAFF STATION, SELF ISSUE KIOSK WITH 22.5" TOUCH SCREEN BRANDED PC"** should be written on envelope in bold letters.
17. Write the title "Quotation for supply of **"RFID SECURITY SYSEMT FOR LIBRARY WITH RFID TAGS, RFID STAFF STATION, SELF ISSUE KIOSK WITH 22.5" TOUCH SCREEN BRANDED PC"** on top line of Envelope.
18. We look forward to receiving your quotations and thank you for your interest in this project.



Principal Investigator

National Agriculture Higher education Project

IDP-PROJECT, DUVASU, MATHURA

Pin code: 281001, (U.P), INDIA

**PRINCIPAL INVESTIGATOR
IDP-NAHEP**

U.P. Pt. Deen Dayal Upadhyaya Parhu Chikitsa
Vigyan Vishwavidyalaya Evam-Go-Anusandhan Sansthan
MATHURA-281001

Technical Specifications for the supply of RFID Security System along with automated library services through latest version of KOHA (Integrated Library Management System)

Technical Specification-RFID System

1: Library Staff Circulation Station

Minimum Specifications	
Read/Write/Anti-theft programming should be done in one single operation	
Read/Write distance of Up to 20 - 30 cm and programming time of 1 second	
Should be fully ISO/IEC 14443A, 15693 and ISO 18000:3 compliant	
The programming station should interface with the Library Management Software using NCIP V2.0 protocol or SIP2 protocol.	
Integrated with reader for patron ID Card based ISO/IEC 14443A Mifare Plus to read for circulation	
Integrated with reader for patron ID Card based ISO/IEC 14443A Mifare Plus for personalization of data into the ISO/IEC 14443A Mifare Plus passive contact less 1Kb smart card in the pre-defined location in the memory The details of memory location in smart card will be provided at appropriate time	
NCIP V2.0 compliance software interface integrated with integrated library management software for all operations like patron card personalization, check-in. check-out, renew, reserve etc of library circulation	
Specifications	
Parameter	Technical Specs
Operating Frequency	13.56 MHz
Power Supply	5V to 12V
Power Consumption	1.2W minimum
Transmitting Power	1W minimum
Read Range	20-30 cm
Antenna	Internal
Communication Interface	USB/RS232/Ethernet
Supported Transponders	ISO 15693, ISO 14443A and ISO 18000:3
Indicators	LED / Buzzer for power, read verification etc.
Operating Temperature	-10°C to +70°C
Housing Material	ABS or Similar



2. Two EAS Pedestals Library Security Gate (one Pair)

Item Minimum Specifications	
Security gate should include two theft detection pedestals, which are interdependent of each other and also have an overlapping protection zones providing additional security. It is planned to install these pedestals at a single location in the library. The system should have suitable number of I/O ports for Standard electronic counter, web cam trigger, CCTV, locking gates etc. The offer must be complete in all respects with CCTV integration and must include all the components required for the functional of the system Library security gate. It should also have multi line infrared motion sensors to detect library foot falls and in-out numbers.	
Parameter	Technical Specs
Operating Frequency	13.56 MHz
Power Supply	AC 230V / 50Hz
Power consumption	30W maximum
Transmitting Power	0.5W to 6W variable
Read Range	Up to 1 m with pair of gates
Communication Interface	RS232 / Ethernet
Supported Transponders	ISO 15693-3, I Code
Operating Temperature	-10°C to +70°C
Communication Parameters	Baud Rate: 115200 Kbps
Weight	25 Kg approximately
Housing Material	ABS or similar

3. RFID Handheld Portable Reader/Inventory Reader

Minimum Specifications
The portable handheld reader (Wand) and the required accessories must be a cordless, one-piece design, to be held in one hand.
The portable handheld reader must feature sound battery backup.
The total weight of the portable handheld reader must be less than 1 Kg., including battery, RFID reader, antenna and computing unit, and any other components that must be carried by the user.
The portable handheld reader must be easily set down on a library shelf or cart when necessary to free the user's hands.
The portable handheld reader must incorporate an ergonomic design, to aid user in reading shelves at all levels easy to use and be relatively non-stressful to wrist, arm, shoulder and elbow.
The portable handheld reader battery life must allow the user to work for at least 10 hours before recharging.
The portable handheld reader must use an anti-collision algorithm that does not limit the number of tags, which can be simultaneously identified and read.
The portable handheld reader must have the capacity to download at least 1 million items from library's automation system onto the portable handheld reader memory medium.
The proposed portable handheld reader must accommodate data collection simultaneously with other functions.



The proposed system must accommodate Sorting, Shelving, Searching, finding of library documents and pulling the defined data to help the user.	
The proposed portable handheld reader must have an audible tone and visible indicators to verify item has been identified.	
The handheld reader should include memory of at least 4GB	
Parameter	Technical Specs
Operating Frequency	13.56 MHz
Power Supply	9V
Standby Mode (battery backup)	10 Hours
Charging Time	4.5 Hours
Transmitting Power	1W approximately
Read Range	Up to 25 cm
Communication Interface	USB
Supported Transponders	ISO 15693-3, I Code
Indicators	LED Indicator / LCD Display for Power, Read & Error and a configurable buzzer
Operating Temperature	-10°C to +70°C
Storage Memory	4GB
Housing Material	ABS Plastic

4. Self Check In-Out Kiosk Station

Minimum Specifications	
RFID Reader and Antenna with multiple Read/Write facility	
Kiosk should suit the library decor	
High Speed Thermal Slip Printer	
22" or higher LCD/LED Touch Screen Monitor using Capacitive Technology	
Branded Small Form Factor CPU	
Multi protocol firmware ISO/IEC 14443A. 15693 and ISO 18000:3 compliant	
Communication interface — Ethernet	
The Self Check in-out station client software should interface with the LMS Software giving following features:	
<ul style="list-style-type: none"> ◦ Check in-out/ Renewal *Transaction Status ◦ Transaction Printout 	
Provision for display of reservations done by a user along with sequence and date of collection,	
Provision of enquiry of checkouts against a user and its due date.	
Provision for enquiry of fine against a user,	
Parameter	Technical Specs
Operating Frequency	13.56 MHz

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Power Supply	180-230V Ac; 50 Hz
Power Consumption	1.2W minimum
Transmitting Power	1W approximately
Read Range	20-25cms, 3 to 4 books of average size
Antenna Size	300 X 300 mm
Communication Interface	Ethernet
Supported Transponders	ISO 15693, ISO 14443A and ISO 18000:3
Operating Temperature	-10°C to +70°C
Weight	25 Kg approximately
Packaging Material	Wood/Steel
Display	22" or higher TFT capacitive touch screen

5. RFID Book Return Station (Drop Box)

Minimum Specifications
24 hrs operation should be possible
Minimum 100 books bin to be provided
Real time check in should be processed
High Speed Thermal Slip Printer
17" or higher LCD/LED Touch Screen Monitor using Capacitive Technology
Small Form Factor CPU

6. Smart Cards (Pre-Printed)

Minimum Specifications
The smart cards should be 1kb Mifare Plus cards with pre printing on both sides (pre printing to be approved by Department)
The smart card must be for multipurpose use by the library users.
1k byte EEPROM
Unique serial number
16 securely separated sectors supporting multi- application
Each sector consists 4 blocks with a length of 16 Byte
2 x 48 bit keys per sector for key hierarchy
Access conditions free configurable based on 2 level key hierarchy
Number of single write operations: 100,000

7. RFID Tags (for Book)

Minimum Specifications
<p>The RFID chip used in the tag should have been designed specifically for Library use. i.e. it should have three sections</p> <ul style="list-style-type: none"> ◦ Lockable section for item identification ◦ Re-writable section for library specific use ◦ Security function (EAS) for item anti-theft (which can be activated and deactivated), ◦ The RFID chip should have multi read function, i.e. several tags can be read at the same time
Tag size should be 80mm x 50mm with at least 2048 bits memory, multi-read and antitheft
Distance for detection from pedestal should be minimum of 92 cms
Tags should be fully ISO 15693/18000-3 compliant
Other features: "Tag Talks First" (TTF) feature, tamper proof, detection rate of the system should be above 95% consistently regardless of the number of items that are in the field
Warranty of Tags Minimum 40 years for logic circuits and replacement of defective tags if found during first time tagging
<p>Mechanical Dimension:</p> <ul style="list-style-type: none"> • Transponder coil size 80X50 mm \pm 0.5mm • Transponder die-cut size 80 x 50 mm 0.2 mm • Thickness of the IC 150 micrometer \pm 10% • Overall thickness of transponder package (excluding IC and siliconized paper) 200 micro meter \pm 10% • Thickness of the siliconized wafer 56 micro meter
<p>Electrical characteristics:</p> <ul style="list-style-type: none"> • Integrated Circuit (IC) Philips i-Code-SLI X. • ICS protocol /anti-collision ISO 15693/18000-3 • Operating frequency 13.56 MHz • Unloaded resonance frequency 14.15 MHz \pm 0.30 MHz • Memory 2048 bits R/W EEPROM
<p>General characteristics of transponder:</p> <ul style="list-style-type: none"> • Operating temperature (electronics parts): -20°C to +85°C • ESD voltage immunity +12 kV peak. HBM • Bending diameter (D) > 50 mm. tension less than 10 N • Static pressure (P) < 10 MPa (10 N/mm²)

8. Anti-Theft Stickers

Item Minimum Specifications
Good quality self adhesive labels of following specification:
Good quality smooth face
Label printed with Name and logo (design to be approved by Department)
Size: Minimum half inch larger on all sides than the RFID tag
Strong permanent adhesive, which does not leach in to the paper of the book

RFID Tagging Job Work (for Book)

Minimum Specifications
RFID Tag & Sticker to be pasted in same process
ISO 28560 standard followed for tagging
Minimum 2000 books/DVDs to be completed in a day
Registration of books / DVDs to be done in single process
Data validation / editing required for Classification, Preparation of Subject Heading, Data entry in MARC21 format, Verification etc Including Retrieving the Book from the shelf and returning the same to the Specific shelf after processing as per Library standards for all Book entries.
To paste spine label where ever found missing



Annexure-2

Sr. No.	Description of item	Qty.	Unit Price including GST	Total Cost Of item including GST
1.	2.	3.	4.	5.
1.	HF RFID Tags and Anti-Theft Stickers	30000		
2.	RFID Smart Card complete with data entry	800		
3.	Multi-Purpose RFID Staff Station	01		
4.	Integrated Self check out/In Station (RFID)	01		
5.	Library Security Gate (One Channel) with EAS Gates	01		
6.	Transparent / Glass Book Drop Box	01		
7.	Shelf Management System/ Portable Handheld Reader	01		
8.	RFID Server Machine	01		
9.	RFID Server Layer for integration with RFID Devices with existing of KOHA LMS using NCIP V2.0	01		
10.	Counter of visitor unit (Access control)	01		
11.	Middleware LMS and RFID Application	01		
12.	Job Work: complete installation and successful implementation (Fixing Tags Registering Accn. No. on Tags & shielding with Logo), Hands-on-training with manuals/guide	For 30000 documents		
13.	Data Migration from existing koha installation which is on local server (History, Bibliographic etc.)	25000		
14.	New Books Data entry of on KOHA	3,000		
15.	Installation on Cloud server, configuration of the latest stable version of Koha LMS using the open source community version Koha, on Linux server	01		
16.	AMC for koha and Cloud server for 3 year	01		
17.	Retrospective conversion of library document per unit	1000		



FORMAT OF QUOTATION *

Sl. No.	Description Goods	Specifications	Qty.	Unit	Quoted Unit Rate in Rs.	Total Amount	
						In Figures	In Words
1	RFID SECURITY SYSEMT FOR LIBRARY WITH RFID TAGS, RFID STAFF STATION, SELF ISSUE KIOSK WITH 22.5" TOUCH SCREEN BRANDED PC	as per quotation document					
TOTAL							
Sales Tax							

Gross Total Cost :Rs.....

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs.(amount in figures) (Rs. amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the normal commercial warrantee/guarantee ofmonths shall apply to the offered goods.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

* *Applicable while the bids are being invited for more than one item and would be evaluated for all the items together.*

