

**Maharashtra National Law University, Aurangabad**  
(Established under Government of Maharashtra Act VI of 2014)



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**Notice Inviting Tender**

**Supply, Installation & Commissioning of  
The project titled "Library Automation using RFID Technology"**

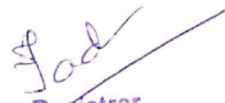
**At**

**The Central Library, Maharashtra National Law University, Aurangabad**

MNLUA/Admin/NIT-319 Dt. 19/05/2023

**NIT No.: MNLUA/Admin/NIT/2023/01**

Website - <https://mnlua.ac.in/tenders-quotations/>

  
**Registrar**  
Maharashtra National Law University  
Aurangabad - 431 005

## Quotation Details

1.	Date and Time of releasing Tender	20-05-2023 (at 11:00 AM)
2.	Date and Time of online tender document download	20-05-2023 to 05-06-2023
3.	Last date and time for submission of Quotation/Bid Documents	05-06-2023 at 5:00 PM
4.	Date and Time of opening of Technical Bid Documents	07-06-2023 at 11:00 AM
5.	Date and Time of opening of Commercial Tender/Bid Documents	Will be informed online
6	Pre-Bid meeting	30-05-2023 at 3:00 PM

**Section –I**  
**Eligibility Criteria for the Bidder**

The Applicants / Bidder shall fulfill all of the following eligibility criteria independently, as on the date of Submission of the bid.

<b>Sr. No.</b>	<b>Criteria</b>
1.	The Bidder/OEM must be a registered Firm in India with Registrar of Companies and in business for the last 10 years or more.
2.	The Bidder/OEM should submit Certificate of Authorization from the Principal Manufacturing Company and self-declaration in case of OEM Bidding to quote the Tender. A dealer's sub-resellers are not allowed to bid for the project. Letter of authorization from Original Equipment Manufacturer specific to this tender should be enclosed. The letter should mention OEMs contact numbers, email addresses and website with which authenticity of letter can be cross checked. To verify the authenticity of the items quoted in the tender the RFID equipment should be available on OEM's website.
3.	The Bidder/OEM must have minimum 25-30 live sites (Preferred Central Universities/State Universities/higher academic institutions, etc.) where proposed RFID System integration with Koha Library Management Software is in operation since at more than 5 years.
4.	The quoted RFID Hardware must be used in at least 50 or more Central Universities/State Universities/higher academic institutions libraries in India.
5.	There should be no case pending with the police case against the Proprietor/Firm/Partner or the Company as a whole shall not have been blacklisted by any Government Departments, Public Sector Companies, and Government Autonomous organizations or Educational Institutions, Universities.
6.	The Bidder/OEM should have an average annual turnover of Rs. 5 Crore in the last three financial years.
7.	The RFID Gates should be having ETA (Equipment Type Approval) from Wireless Planning Commission) this is a mandatory requirement for both Indian and International Manufacturers.
8.	The bidder should be registered with Income Tax and GST Tax Departments.
9.	The Bidder/OEM may visit the institute campus and complete the survey before making a bid. The declaration to the effect and proposed solution documents must be submitted along with technical documents.

## Scope of Work

**Project titled:** “Library Automation using RFID Technology” at the Central Library, Maharashtra National Law University- Aurangabad.

### **Introduction:**

Maharashtra National Law University – Aurangabad has decided to introduce Radio Frequency Identification (RFID) System in the Central Library in its efforts towards further automation of the library system.

### **Equipment & Tools for Self-Service:**

Use of RFID technology for HF Gate Antenna Systems, HF RFID Integrated Reader, Self-check-in check-out Kiosk, HF Handheld Reader, RFID Book Tag, Smart Cards, Middleware Software & Accessories.

### **Implementation of RFID-based Circulation Services**

- Supply and Implement RFID Hardware using NCIP V2.0 protocol and SIP 2.
- RFID Smart Cards issued by the MNLU-A integrated with the supplied system
- Installation of Middleware Application for KOHA LMS installed
- Tagging RFID labels on Books and other items in stock
- Pasting of Paper stickers (SIR Labels) on RFID Tags
- Training of Library staff on using the RFID system effectively.
- Training on International Standards and RFID-based best Library Practices.
- Engaging suitable personal to ensure smooth functioning of automated library services.
- Implement of all the points as per technical specification.

### **Data Validation:**

It would be required to physically verify each and every book detail with its entry in Library Management Software and validate the data during the RFID tagging job work. The books which have errors are to be kept separately for making necessary corrections and by that the database accuracy has to be improved.

### **Smooth Operation of Library Automated System:**

- Provide professional personal to supervise the entire project on regular basis to co-ordinate with the competent authority nominated by MNLU-A.

**Note:**

- All the RFID components chosen for complete solution should be conform to NISO guidelines for use of RFID in Libraries and ISO 15693 / ISO 18000 - 3, ISO14443A or Mifare in accordance with equipment (All systems must be compatible with Global RFID ISO standards).
- Modularity, Expandability and Upgrade ability in the overall system configuration should be open.
- The Maintenance Support Equipment required installing and maintains the RFID System shall be available in India always and provided by the vendor. Bidder shall demonstrate that the resources (infrastructure) exist which are required to provide robust pre and post-sales support to RFID Project.
- Bidder should fully accountable for the performance of all components of the supplied RFID equipment.
- Bidder might be required to show demo of the hardware with LMS using NCIP protocol at Central Library, MNLU-A before the final order is placed.
- Supplied hardware should have proven compatibility with Koha LMS.
- The Bidder will have to train library staff for key functions like, circulation, technical services, system administrator and public services for using of all equipment.
- All training should be performed by vendor at MNLU-A premises and trained personnel should be placed in the MNLU-A for running, maintaining the hardware, software for the period of warranty.
- The Library requires interaction with the vendor sales staff and technical support staff during installation planning, the installation phase and follow-up immediately after such installation.
- Introductory operator / user / staff training shall be provided at no extra charge.
- Middleware Warranty: Patches and service pack releases must be supplied at no additional charge to the Library within the warranty period.
- Service technicians should be fully trained, factory authorized and certified by the manufacturer to perform services.
- Technical support at site should be provided to the library free of cost within the warranty period.
- Service technicians should be equipped with parts normally required to service the equipment and reduce downtime.
- Failure of vendor to meet specified standards may result in termination of service contract.
- Warranty and Service requirements apply to both Standard and Optional system components.
- **Hands on Training (on site) and Manual/Guide:** Training for handling of RFID, RFID Tagging and fixing on documents, troubleshooting training. Complete write-up/manual/guide for operation and handling of RFID equipment. Training to be given to all library staff working on various library operations.

**Section –II**

**Financial strength of the Bidder**

<b>Financial Year</b>	<b>Turnover (Rs. In Crores)</b>	<b>Audited Accounts uploaded? (Yes/No)</b>
2020-21		
2021-22		
2022-23		
<b>Grand Total</b>		

- Note: Please fill this form and upload the Audited Annual Accounts / Balance Sheet along with Profit & Loss Account for the last three financial years.

**Office in (City Name)**

<b>Sr. No.</b>	<b>Address</b>	<b>Contact Person</b>	<b>Contact Nos.</b>	<b>Type of supporting document attached</b>
1				
2				

**Warranty Support & repairing cum replacement service up to delivery locations**

<b>Sr. No.</b>	<b>Address</b>	<b>Contact Person</b>	<b>Contact Nos.</b>	<b>Type of supporting document attached</b>
1				
2				
3				

- Note: Please fill this form and upload the supporting documents.

**Experience Details (Customer References)**

<b>Sr. No.</b>	<b>Name of the Organization</b>	<b>No. of Books Library Having</b>	<b>Date of PO and Period of Implementation (in days)</b>	<b>Qty. of RFID Tags</b>	<b>Total Purchase Order Value</b>	<b>No. of Installations</b>	<b>Type of Supporting Document Attached</b>
1							
2							
3							

- Note: Please fill this form and submit the Purchase order and Agreement documents.

**Make & Model List:**

<b>Sr. No.</b>	<b>Item</b>	<b>Make &amp; Model</b>	<b>Supporting Document Submitted (Yes/No)</b>
1.	HF Gate Antenna Systems ( Two Pedestals/One Lane)		
2.	Library Staff Station Reader		
3.	Wi-Fi RFID Handheld Portable Integrated Reader		
4.	Self-Check-In Check-Out Kiosk Station		
5.	RFID Book Return Station		
6.	RFID Digital Entry Reader		
7.	Self-Adhesive RFID Tags (for Book)		
8.	Institution Labels (Anti-Theft Stickers)		
9.	Integration Module / Middleware Features		
10.	Smart Cards		
11.	RFID Smart Card Registration Reader		
12.	Smart Card Printer 12.1 Web Camera 12.2 Pen Tablet 12.3 Full Colour Ribbon for HID Fargo DTC1500		
13.	Server System		

**Section –III**

**Technical Specification of the hardware required for the RFID implementation in Library.**

<b>Item No. 1: HF Gate Antenna Systems ( Two Pedestals/One Lane)</b>				
<b>Item Minimum Specifications</b>		<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Deviation, If any</b>
<p>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. It should also have multi line infrared motion sensors to detect library foot falls and in-out numbers.</p> <p>The RFID Gates should be having ETA (Equipment Type Approval) from Wireless Planning Commission) this is a mandatory requirement for both Indian and International Manufacturers.</p>		1		
<b>Specifications</b>				
<b>Parameter</b>	<b>Technical Specs</b>			
Operating Frequency	13.56 MHz			
Power Supply	AC 230V / 50Hz			
Power consumption	30W maximum			
Transmitting Power	0.5W to 6W variable			
Read Range	1.6 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			



<b>Item No. 2: Library Staff Station Reader</b>				
<b>Item Minimum Specifications</b>		<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Remarks (If any)</b>
Read/Write/Anti-theft programming should be done in one single operation		1		
Read/Write distance of Up to 25 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				
Integrated with reader for patron ID Card based ISO/IEC 14443A mifare classic to read for circulation				
Integrated with reader for patron ID Card based ISO/IEC 14443A mifare classic for personalization of data into the ISO/IEC 14443A mifare classic 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				
<b>Specifications</b>				
<b>Parameter</b>	<b>Technical Specs</b>			
Operating Frequency	13.56 MHz			
Power Supply	5V to 12V			
Power Consumption	1.2W minimum			
Transmitting Power	1W minimum			
Read Range	Up to 25 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			

<b>Item No. 3: Wi-Fi RFID Handheld Portable Integrated Reader</b>				
<b>Item Minimum Specifications</b>		<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Deviation, If any</b>
The portable handheld reader (Wand) and the required accessories must be a cordless, one-piece design, to be held in one hand.		1		
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 4 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				
<b>Specifications</b>				
<b>Parameter</b>	<b>Technical Specs</b>			
Operating Frequency	13.56 MHz			
Power Supply	9V			
Standby Mode (battery life)	4 Hours			
Charging Time	4.5 Hours			
Transmitting Power	1W approximately			
Read Range	Up to 15 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		

<b>Item No. 4: Self Check In/Check Out Kiosk Station</b>				
<b>Item Minimum Specifications</b>	<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Deviation, If any</b>	
RFID Reader and Antenna with multiple Read/Write facility	1			
Kiosk should suit the library decor				
High Speed Thermal Slip Printer				
17" 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 Checkout station client software should interface with the ILMS Software giving following features: <ul style="list-style-type: none"> <li>◦ Check out / Renewal</li> <li>◦ Transaction Status</li> <li>◦ Transaction Printout</li> </ul>				
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,				
<b>Specifications</b>				
<b>Parameter</b>		<b>Technical Specs</b>		
Operating Frequency		13.56 MHz		
Power Supply		180-230V Ac; 50 Hz		
Power Consumption		1.2W minimum		
Transmitting Power		1W approximately		
Read Range		Up to 25 cms 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		
Display	17" or higher TFT capacitive touch screen		

<b>Item No. 5: RFID Book Return Station</b>			
<b>Item Minimum Specifications</b>	<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Deviation, If any</b>
24 hrs operation should be possible	<b>1</b>		
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			

<b>Item No. 6: RFID Digital Entry Reader</b>				
<b>Item Minimum Specifications</b>	<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Deviation, If any</b>	
Read/Write/Anti-theft programming should be done in one single operation	<b>2</b>			
Read/Write distance of Up to 5 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				
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				
<b>Specifications</b>				
<b>Parameter</b>		<b>Technical Specs</b>		
Operating Frequency		13.56 MHz		

Power Supply	5V to 12V		
Power Consumption	1.2W minimum		
Transmitting Power	1W minimum		
Read Range	Up to 5 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		

<b>Item No. 7: Self Adhesive RFID Tags (for Book)</b>			
<b>Item Minimum Specifications</b>	<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Deviation, If any</b>
The RFID chip used in the tag should have been designed specifically for Library use. i.e. it should have three sections <ul style="list-style-type: none"> <li>◦ Lockable section for item identification</li> <li>◦ Re-writable section for library specific use</li> <li>◦ Security function (EAS) for item anti-theft (which can be activated and deactivated),</li> <li>◦ The RFID chip should have multi read function, i.e. several tags can be read at the same time</li> </ul>	7000		
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			
<b>Mechanical Dimension</b> <ul style="list-style-type: none"> <li>• Transponder coil size 80X50 mm ± 0.5mm</li> <li>• Transponder die-cut size 80 x 50 mm 0.2 mm</li> <li>• Thickness of the IC 150 micrometer ± 10%</li> <li>• Overall thickness of transponder package (excluding IC and siliconized paper) 200 micro meter ± 10%</li> <li>• Thickness of the siliconized wafer 56 micro meter</li> </ul>			

<b>Electrical characteristics</b> <ul style="list-style-type: none"> <li>• Integrated Circuit (IC) Philips i-Code-SLI X.</li> <li>• ICS protocol /anti-collision ISO 15693/18000-3</li> <li>• Operating frequency 13.56 MHz</li> <li>• Unloaded resonance frequency 14.15 MHz ±0.30 MHz</li> <li>• Memory 2048 bits R/W EEPROM</li> </ul>			
<b>General characteristics of transponder</b> <ul style="list-style-type: none"> <li>• Operating temperature (electronics parts): -20°C to *85°C</li> <li>• ESD voltage immunity +12 kV peak. HBM</li> <li>• Bending diameter (D) &gt; 50 mm. tension less than 10 N</li> <li>• Static pressure (P) &lt; 10 MPa (10 N/mm2)</li> </ul>			

<b>Item No. 8 : Institution Labels (Anti-Theft Stickers)</b>			
<b>Item Minimum Specifications</b>	<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Deviation, If any</b>
<b>Good quality self-adhesive labels of following specification:</b>	7000		
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			

<b>Item No. 9 : Integration Module / Middleware Features</b>			
<b>Item Minimum Specifications</b>	<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Deviation, If any</b>
Client Software should support following features and is to be Integrated with existing Integrated Library Management Software (ILMS)	1		
Tagging / Re-tagging after proper online validation of the title / member records LMS database			
Tag monitoring by accessing item record from ILMS database			
Patron Smart Card personalization monitoring by accessing patron ID from ILMS database			
Send SMS & Email for circulations and registration transaction which can be selected for specific users.			
NCIP V2.0 compliance			
Retagging option for re-registration of books & patrons			
Sorting by accessing Title record from ILMS			
Check out /Check-in/Renewal			
Provision tot display of reservations done by a member along with sequence and date of collection			

Provision of enquiry of checkouts against a member and its due date			
Provision for details of fine against a member			
Provision of slip printing containing the details of a transaction			
Reserved titles shall get highlighted while check-in			

<b>Item No. 10 : Smart Cards</b>			
<b>Item Minimum Specifications</b>	<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Deviation, If any</b>
The smart cards should be 1kb Mifare Classic cards with preprinting on both sides (preprinting to be approved by Department)	700		
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			

<b>Item No. 12 : Smart Card Printer</b>			
<b>Item Minimum Specifications</b>	<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Deviation, If any</b>
Sided Printing: Double	1		
Resin Thermal Transfer			
300 dpi			
26 seconds per card / 138 cards per hour (YMC with transfer)			
Accepts CR80 card size			
Ethernet / USB Interface			
With Printer Ribbon and Cleaning Kit			

<b>Item No. 12.1: Web Camera</b>			
<b>Item Minimum Specifications</b>	<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Deviation, If any</b>
CMOS VGA sensor technology	<b>1</b>		
Motion Video: 0.30 megapixel (640 x 480 pixels) or better			
60° diagonal view			
USB 2.0 compatible			
Automatic image adjustment with manual overwrite			

<b>Item No. 12.2: Pen Tablet</b>			
<b>Item Minimum Specifications</b>	<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Deviation, If any</b>
Working Area : 4 x 3 inches	<b>1</b>		
Technology : Electromagnetic Technology			
Pressure Levels : 512 levels or better			
Resolution : 2200 LPI			
Accuracy : 0.01 inch (0.25 mm) or better			
Report Rate : 100 RPS			
Interface : USB 2.0 or better			
Digital Pen : Cordless digital stylus pen with a pen tip and two barrel buttons			

<b>Item No. 12.3: Full Colour Ribbon for HID Fargo DTC1500 Smart Card Printer</b>			
<b>Item Minimum Specifications</b>	<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Deviation, If any</b>
Full Color Ribbon Brand HID® Fargo® YMCKO : 45500	<b>1</b>		

<b>Item No. 13 : Server System</b>			
<b>Item Minimum Specifications</b>	<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Deviation, If any</b>
Processor:- Intel i5 or Higher	<b>1</b>		
RAM:- 16 GB or Higher			
HDD/SSD:- 1TB (We recommend SSD for system smooth functioning)			
OS:- Windows 10/Windows Server 2012 or Higher			



<b>Item No. 14 : Job work of tagging of book &amp; Institution Labels (Anti-Theft Stickers)</b> <b>(Present stock of books with the University Library, as on the date of implementation)</b>			
<b>Item Minimum Specifications</b>	<b>Qty.</b>	<b>Matched/ Not Matched</b>	<b>Deviation, If any</b>
RFID Tag & Sticker to be pasted in same process			
ISO 28560 standard followed for tagging			
Registration of books / DVDs to be done in single process			
Data validation / editing required for Classification, Preparation of Subject Heading 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			

**Commercials:**

<b>Project titled “Library Automation using RFID Technology”</b>				
<b>Item No.</b>	<b>Item Name</b>	<b>Quantity (In Nos.)</b>	<b>Basic Rate/ Unit Price with 5 Years Warranty (In Rs. Without tax)</b>	<b>Total Price with 5 Years Warranty (In Rs. Inclusive of All Tax )</b>
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>
1.	HF Gate Antenna Systems ( Two Pedestals/One Lane)	1		
2.	Library Staff Station Reader	1		
3.	Wi-Fi RFID Handheld Portable Integrated Reader	1		
4.	Self-Check-In Check-Out Kiosk Station	1		
5.	RFID Book Return Station	1		
6.	RFID Digital Entry Reader	1		
7.	Self-Adhesive RFID Tags (for Book)	1		
8.	Institution Labels (Anti-Theft Stickers)	1		
9.	Integration Module / Middleware Features	1		
10.	Smart Cards	1		
11.	RFID Smart Card Registration Reader	1		
12.	Smart Card Printer 12.1 Web Camera 12.2 Pen Tablet 12.3 Full Colour Ribbon for HID Fargo DTC1500 Smart Card Printer	1		
13.	Server System	1		
14.	Job work of tagging of book & Institution Labels	1		
<b>TOTAL COST OF PROJECT (In Rs.)</b>				

## Terms and Conditions

Please note following terms and conditions before filling the tender form and return this sheet duly signed along with the company's seal.

1. **All the items in section-III must be quoted and the party should be ready to supply all items.**
2. If required in future, for Item No 5. Self-Adhesive RFID Tags (for Book), Item No 6. Institution Labels (Anti-Theft Stickers) & Item No 7. Smart Cards, the Successful Bidder has to supply the additional quantity on the total price (including all tax) to purchasing department during the period of warranty of 5 years.
3. Item no. 1 to 13 will be total cost of project rates of all line items including all tax with 5 years warranty.
4. Essential additional Services to be included are installation, training on sites including supplying documentation, Software Media / Software with media. (Licensed Version), manual for the usage, maintenance etc. Equipment for its malfunctioning, if any, must be replaced / repaired to satisfactory working condition within 15 days after official communication during warranty period.
5. For any proprietary items, attach a certificate from the manufacturer that the product is proprietary and also attach the valid certificate of authorized dealer/distributor/channel partner saying the product is proprietary.
6. Local/ service support for five years must be provided by the party/manufacturer. By default, warranty/bank guarantee for 5 years will be applicable for all items mentioned in tender.
7. Usual payment terms: 50% against the delivery of items/goods and successful installation. The inspection will be done by the duly appointed committee of MNLU-A and 30% payment will be made after testing, training, tagging, and satisfactory certification from the concerned department and remaining 20% payment will be made after 6 months of successful running and after submission of Bank guarantee for five years for 10% of the total purchase order.
8. Non-refundable tender fees is of Rs. 15,000/-, EMD amount and tender fees, both are to be paid through any Nationalized bank in favor of "Maharashtra National Law University, Aurangabad" Payable at Aurangabad.
9. Earnest Money Deposit (EMD) is of Rs. 1,50,000/-. Quotation submissions, without EMD will not be considered.
10. If the tenderer has SSI registration for specific supply of the equipment/ material, the tenderer will be exempted from paying E.M.D. The valid proof of SSI registration documents, for this purpose, along with a list of satisfied customers having received similar equipment/ Material must be uploaded. If an SSI registered agency is found to be the lowest, the agency has to accept a purchase order (PO) and meet with scope of the PO to the satisfaction of the college authority.
11. If the bidder fails to meet the scope of the tender, the MNLU-A keeps the right to convey the same to the appropriate agency to take suitable legal action and even blacklist the agency for all future dealings with the University.
12. The right to reject or accept any or all offers with or without modifications from any or all parties without assigning any reason is reserved with the "MNLU-Aurangabad".
13. Rates quoted should be in Indian rupees and should be valid for "Three Months" at least.
14. The supply of materials should be done preferably within two weeks and not more than four weeks under any circumstances after the date of the purchase order.
15. Legal matters will be restricted to "Aurangabad Jurisdiction".
16. Quantity mentioned in the tender for the item may vary.
17. Enough supporting documents, for example, photograph of the equipment, specifications of the items, customer list, Authorization letter, GST number etc. must be submitted along with the Quotation.
18. Detailed Time Table for the various activities to be performed in the process by the participant's firms for quoting

the offer is given in this quotation document as per schedule. Bidders should carefully note the cut-off dates for carrying out each process / activity.

- 19.** Pay the necessary fees, and follow the time table of the quotation process and get their activities of processes done well in advance so as to avoid any inconvenience due to unforeseen technical problems.
- 20.** MNLU-Aurangabad will not be responsible for any incomplete activity of quotation process due to technical error/failure of the website and it cannot be challenged by way of appeal, arbitration and in the Court of Law.
- 21.** The bidder has to submit an undertaking for terms and conditions, if selected for placing the order (Undertaking form will be provided after shortlisting).
- 22.** Price shall be inclusive of all taxes, freight, forwarding, transit insurance, warranty and maintenance charges and (AMC) annual maintenance charge.
- 23.** Pre bid is conducted as per the details mentioned in bid schedule. Bidders are advised to attend the meeting if they have any queries.

Declaration:

I / We have read the above instructions carefully, and I/we abide by the instructions.

Stamp and Name of the Bidder

Date: