

HIDAYAULLAH NATIONAL LAW UNIVERSITY RAIPUR
Tender Document for “Library Automation & Implementation of RFID System in HNLU”

HIDAYATULLAH NATIONAL LAW UNIVERSITY, NAVA RAIPUR, CHHATTISGARH

TENDER DOCUMENT

Name of Work: “Library Automation and Installation of RFID System in HNLU Library”

Tender Number	HNLU/Library/22-23/01
Tender Date	20.02.2023
Pre-Bid Meeting	28.02.2023@ 1500 hrs.
Last date for pre-bid queries	01.03.2023@ 1500 hrs
Last date and Time of Submission	12.03.2023@ 1500 hrs
Tender Opening Date and Time	13.03.2023@ 1515 hrs
Cost of Tender Document	Rs. 1,500/- (Non Refundable)
Earnest Money Deposit	Rs. 60,000/- (3% of the estimated cost)
Estimated Contract Cost	Rs. 20,00,000/- (Excluding GST)
Tender Processing Fee	As Applicable Online
Time for Completion of work	120 days from date of work order
Defect liability period 1	12 (Twelve) months
Validity of Tender	180 days from the last date of submission of tenders

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TECHNICAL BID

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HNLU/Library/22-23/01

Date: 20.02.2023

NOTICE INVITING E-TENDER

The Registrar, HNLU RAIPUR, invites E-tender Percentage Rate Tender under Two part Bid System containing Part-I (Technical Bid) & Part-II (Financial Bid) from the approved and eligible vendors and other bona-fide agencies.

Cost of Tender Rs. 1,500/- (Rupees One Thousand Five Hundred only), NON REFUNDABLE, should be transferred online through Debit Card/Credit Card/Net Banking. Tender without ‘Cost of Tender Document’ will be summarily rejected. The Earnest Money (EMD) should be transferred online through Debit Card/Credit Card/Net Banking/NEFT/RTGS. Tender without requisite EMD will be summarily rejected. The Acknowledgment Slip of both the transfer i.e. cost of Tender and EMD should be submitted separately.

1. Brief Details of item(s)/material

Scope of work: Includes complete supply, installation, commissioning, successful implementation with 3 years warranty & onsite maintenance of RFID System for HNLU Library and installation of KOHA Software and data migration from the existing database before integrating with RFID Middle Server/Application implementation on complementary basis and training of staff.

The Detailed Technical Specifications of the material to be procured under this tender are given separately in [Annexure – I](#)

Eligibility:

- All RFID Equipment (Tags, Readers & Gates) should be from One RFID Manufacturer. Provide certificate from OEM
- RFID vendor should have local technical and service support in Raipur/Chhattisgarh
- RFID vendor must have minimum 2 live sites (preferred Higher Education Institute NLU/IISERs/IISc/NITs/Central Universities/higher academic institutions etc.) where proposed RFID System integration with KOHA Library Management Software is in operation at least for last 2 years. Provide certificates from sites.

The tender document (consisting of specifications, the schedule of quantities of various types of items to be executed, the set of terms and conditions of the contract and other documents / drawings, if any) can be downloaded from the online Portal of TENDERWIZARD <https://tenderwizard.com/HNLURAIPUR> & University’s website <http://www.hnlu.ac.in> Corrigendum, if any, will be published after pre-bid meeting only on University Website and TENDERWIZARD Portal. The University shall not be responsible for any delay / difficulties / inaccessibility of downloading facility for any reason whatsoever. In case of any discrepancy between the tender documents downloaded from internet and the master copy available in this office, the latter shall prevail and will be binding on the tender(s). No claim on this account will be entertained. Rates quoted by the tenderer should be exclusive of GST/ all taxes. GST/ all taxes will be paid separately.

Tender should be submitted as per the prescribed format within the specified date and time to the Registrar, HNLU RAIPUR, failing which the offer shall be summarily rejected. Bid Validity period is 60 Days from submission date of bid. Bid will be opened by Purchase Committee, HNLU RAIPUR. The University reserves the right to reject any tender without assigning any reason thereof.

**Registrar
HNLU, Raipur**

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GENERAL TERMS AND CONDITIONS TO THE TENDERER

1. The tenderer is directed to follow the conditions of tender and general conditions of contract of HNLU RAIPUR.
2. The tenderer shall visit and inspect the site and obtain all information on his own responsibility and at own cost, which may be necessary for the purpose of quoting and submitting the tender. No excuse or ignorance as to site conditions and local information shall be accepted after awarding of the contract.
3. The time for completion of work shall be as per tender document
4. The Earnest Money received shall be refunded without any interest, after the award of work order. The Earnest Money Deposit (EMD) of successful tenderer shall be retained and converted as Performance guarantee amount.
5. Earnest Money Deposit (EMD) will be forfeited in the following cases
 - If the tenderer withdraws / modifies his tender during the period of Bid Validity.
 - If the tenderer does not accept the correction of arithmetical errors of his tender.
 - If the tenderer after award of work, does not start the work within the stipulated time period as per Letter of Acceptance / Work Order.

6. **Eligibility Criteria**

Vendors who fulfill the following requirements shall be considered as Eligible Tenderer Agencies should have satisfactorily completed during the last 07 (Seven) years:

- All RFID Equipment (Tags, Readers & Gates) should be from single RFID Manufacture. Certificate from OEM to be submitted for each item.
- 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 whom 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.
- Bidder/OEM should have local technical and services support in Raipur/Chhattisgarh. Proof of office need to be submitted.
- Bidder/OEM must have minimum 2 live sites (preferred Higher Education Institute NLU's/IISERs/IISc/ NITs/ Central Universities/higher academic institutions etc.) where proposed RFID System integration with KOHA Library Management Software is in operation at least for last 2 years. Provide certificates from sites.
- Bidder/OEM should have experience of RFID system installation and integration with Koha LMS in Raipur at least 3 libraries
- Bidder/OEM should have average annual turnover of Rs. 6 Crore (Minimum) in the last three financial years. The copies of Audited Accounts / Balance Sheet, Profit & Loss Account along with Income Tax Returns for the last three years shall be attached with the Tender
- Bidder/OEM should be a company registered in India with Registrar of Companies since at least last 15 years
- The quoted RFID Hardware must be used in at least 30 or more Government Academic Institution Libraries including 10 University Libraries.

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- Bidder/OEM should have implemented RFID based library automation solution in at least 3 libraries having 50,000 books in each of the libraries with Koha Library Management Software, in India. The RFID based Library Solutions should be working (operational) since at least 3 years with Koha LMS. Customer references and Purchase orders must be attached along with the Tender.

7. **Submission of Bid**

The bids shall be submitted **ONLINE** in **Two Bid System**:

I. *Tender Fee and EMD* will comprise of -

- Cost of Tender Paper Rs. 1,500.00 (Rs. One Thousand Five Hundred Only) NON REFUNDABLE payable online transfer mode only i.e. Debit Card/Credit Card/Net Banking. Tender without ‘Cost of Tender Document’ will be treated as cancelled.
- EMD of Rs 60,000/- (Rs. Eighty Sixty Thousand Sixteen Only) payable online transfer mode only i.e. Debit Card/Credit Card/Net Banking. Bid without EMD would be summarily rejected.

II. *Technical Bid* will comprise of -

- Self-certified copies of Credential documents fulfilling the minimum eligibility criteria as per the tender notice, i.e., Experience Certificates for completion of similar type of job within last seven years.
- Original Tender Document – Part-I: Technical Bid duly Digitally Signed.
- Self-certified copies of Statutory documents like registration with state and central government bodies, Trade License, PAN, IT Returns for last 3 years and GST Registration details.

All the documents should be submitted online.

III. Financial Bid will comprise of-

Original Tender Document – Part-II: Financial Bid in percentage should be submitted online and Form of Tender as an acceptance to the terms and conditions set in the tender (Digitally Signed).

- Each and every page of the tender documents and correspondences accompanying the tender shall have to be duly Digitally signed by the Tenderer / Authorised Signatory before submission. The person / officer signing the tender / bid should be the Owner / Proprietor / Partner / CEO / MD / Director of the company or delegated the power of authorization to sign.
- The tenderer shall have to submit certified copies of valid Trade License, PAN, Income Tax Return for last 3 years, GST registration details, other statutory tax clearance certificates (if any) and credential documents fulfilling the minimum eligibility criteria along with this tender. The original copies of above documents will have to be produced when demanded for verification by the University.
- All Rates, Amounts, Percentages, & Sums shall have to be quoted in figures and words. If the rate/percentage quoted in words does not tally with the rate/percentage quoted in figures then the rate/percentage given in words shall be considered.

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- No alteration shall be made by the tenderer in the tender and no conditional tender will be entertained. Tender with split percentages will not be considered.
- 8. The Tender shall remain valid for a period of 180 Days from the date of opening of the Tender. If before expiry of the validity period or issue of work order, whichever is earlier, the tenderer amends / modifies / withdraws his bid, making unacceptable to the University, and then the Earnest Money Deposit shall be liable to forfeiture at the option of the University.
- 9. The percentage rates quoted by the tenderer should be exclusive of GST, (GST will be paid as per actual based on Government Notification) but inclusive of freight, cost for loading & unloading etc. and must hold good till the completion of work and shall not be subjected to escalation due to increase in local market rates of materials and labour. No claim on this account whatsoever shall be entertained at any stage including the extended period, if any.
- 10. Tenderer has to submit the tender containing original priced offer in the prescribed format as detailed in Schedule of Quantities of the tender document duly signed and stamped. No condition / stipulation shall be provided in the priced offer (Part-II). In case of any deviation / stipulation found in the priced offer, the same shall be considered null and void and the offer is liable to be rejected.
- 11. The right to reject all offer(s) or split up the total requirement and award the contract to one or more than one party if considered necessary or to cancel the Tender rests with the University
- 12. The Intending tenderers will have to produce documentary evidence in original in support of their credentials. If any information furnished by the tenderer is found as false / fabricated then his Tender will be rejected and treated as cancelled, even if the same is detected at any stage after signing of the contract and would lead to termination of the contract besides forfeiture of Earnest Money Deposit (EMD) and liabilities towards prosecution under appropriate law. In such cases, the tenderer will be debarred from participation in future tendering process of the University for next 03 (Three) years.
- 13. The University reserves the right to accept or reject any or all the offer including the lowest quote without assigning any reason.
- 14. The successful tenderer, shall deposit an amount equal to 3% of the tendered and accepted value of the work as performance guarantee in the form of Demand Draft/Bank Guarantee of a Scheduled Bank in favour of HNLU RAIPUR. MSMEs are exempted from EMD. The time allowed for submission of the performance guarantee shall be 06 days of receiving “Letter of Acceptance” (LOA). If the tenderer fails to deposit the performance guarantee within the time period, i.e. within 06th day from the issue of letter of acceptance (LOA), his bid will be rejected and treated as cancelled and the entire Earnest Money Deposit shall be forfeited. After recording of the completion certificate for the work by the competent authority, the performance guarantee shall be returned to the Vendor after 30 days, without any interest.
- 15. Standard Institute payment procedure shall be followed. A sum @ 5% of the gross amount of the bill shall be deducted as Retention Money from the bill of the vendor. The Retention Money of the Vendor shall not be refunded before the expiry of defect liability period (i.e. 12 months) after the issue of the certificate final or otherwise, of completion of work, or till the final bill has been prepared and passed whichever is later.

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Minimum Technical Specification

Item No. 1: Library Staff Station				
Item Minimum Specifications	Qty.	Matched/Not Matched	Remarks (If any)	
Read/Write/Anti-theft programming should be done in one single operation	01			
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 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 Koha integrated library management software for all operations like patron card personalization, check-in. check-out, renew, reserve etc of library circulation				
The Staff Station should do Check in / out operations on LMS's circulation page with having facility of Check in / out multiple book at a time and this should be demonstrated during presentation.				
The Standard Staff station can be placed on top or can be mounted under a table				
The Staff Station should allow programming the tags for single accession number and for appendices i.e. 1/2, 2/2 etc.				
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	Up to 25 cm			
Antenna	Internal			
Communication Interface	USB/RS232/Ethernet			

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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		

Item No. 2: RFID Handheld Portable Reader			
Item Minimum Specifications	Qty.	Matched/ Not Matched	Deviation, If any
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 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.	1		
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			
Specifications			
Parameter	Technical Specs		
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 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		

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Operating Temperature	-10°C to +70°C			
Storage Memory	4GB			
Housing Material	ABS Plastic			
Item No. 3: Two EAS Pedestals Library Security Gate				
Item Minimum Specifications	Qty.	Matched/ Not Matched	Deviation, If any	
<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. 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.</p> <ol style="list-style-type: none"> 1. Have provision of light & buzzer and costumer counter with facility to also identify items/digital entry reader. 2. The proposed system must provide item security even when the library management system or network is off-line or not functioning. 3. When Alarm is used, should have the functionality to store details of items triggering alarm so that the library knows which items have left the premises without proper issue / checkout. The items causing alarm along with details should also be able to be viewed on any one computer. 4. 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. 	1			
Specifications				
Parameter	Technical Specs			
Operating Frequency	13.56 MHz			
Power Supply	AC 230V / 50Hz			
Power consumption	30W maximum			

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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		

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Item No. 4: Self Check Out Kiosk Station				
Item Minimum Specifications	Qty.	Matched/ Not Matched	Deviation, If any	
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: ◦ Check 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,				
Specifications				
Parameter		Technical Specs		
Operating Frequency		13.56 MHz		
Power Supply		180-230V Ac; 50 Hz		
Power Consumption		1.2W minimum		
Transmitting Power		1W approximately		
Read Range		20-25 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			

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Item No. 5: RFID Book Return Station			
Item Minimum Specifications	Qty.	Matched/ Not Matched	Deviation, If any
24 hrs operation should be possible	1		
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			
Drop Box should be upgradable in the future			
Drop Box should be easily integrated with web-based Application for remote as well as within campus monitoring of the performance of the system, alert for paper out of cartridge failure or any kind of failure, alerts etc.			
Return bin of the Drop box should have proper system to minimize the book damage.			
The System must automatically switch into store mode the check-in data when the system goes offline.			
The receiving Cart should be having good quality wheels for easy movement.			

Item No. 6: Smart Cards			
Item Minimum Specifications	Qty.	Matched/ Not Matched	Deviation, If any
The smart cards should be 1kb Mifare Plus cards with pre printing on both sides (pre printing to be approved by Department)	1200		
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 (ERP)			
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			
Card can be blocked			

Item No. 7: Self Adhesive RFID Tags (for Book)			
Item Minimum Specifications	Qty.	Matched/ Not Matched	Deviation, If any

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<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 	35000		
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			
Mechanical Dimension <ul style="list-style-type: none"> • Transponder coil size 80X50 mm ± 0.5mm • Transponder die-cut size 80 x 50 mm 0.2 mm • Thickness of the IC 150 micrometer ± 10% • Overall thickness of transponder package (excluding IC and siliconized paper) 200 micro meter ± 10% • Thickness of the siliconized wafer 56 micro meter 			
Electrical characteristics <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 ±0.30 MHz • Memory 2048 bits R/W EEPROM 			
General characteristics of transponder <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) 			

Item No. 8: Institution Labels			
Item Minimum Specifications	Qty.	Matched/ Not Matched	Deviation, If any
Good quality self adhesive labels of following specification:	35000		
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			

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Item No. 9: Integration Module / Middleware Features			
Item Minimum Specifications	Qty.	Matched/ Not Matched	Deviation, If any
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			

Item No. 10: RFID Tagging Job Work (for Book)			
Item Minimum Specifications	Qty.	Matched/ Not Matched	Deviation, If any
RFID Tag & Sticker to be pasted in same process	35000		
ISO 28560 standard followed for tagging			
Minimum 2000 books to be completed in a day			
Registration of books / DVDs to be done in single process			
Retrieving the Book from the shelf and returning the same to the Specific shelf after processing as per Library standards for all Book entries.			

Item No. 11: Fargo DTC1500 Dual-Sided Card Printer and related accessories			
Item Minimum Specifications	Qty.	Matched/ Not Matched	Remarks (If any)

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Printer Brand HID® Fargo® , Dual-Sided Printing, Print area Edge to Edge, Connectivity USB, Print method Direct to Card, Weight 7.5KG, Dimensions 18.7 x 7.9 x 9.2 inches, Input Size CR 80 and CR 79 and 9-40 mils, Speed YMCKO - 225 cph & YMCKOK - 150 cph, Input Hopper 100, Output Hopper 100, Card Volume Medium.	1		
<ul style="list-style-type: none"> 1 piece branded Web Camera should be provided with this card printer 			
<ul style="list-style-type: none"> 1 piece branded Pen Tablet should be provided with this card printer 			
<ul style="list-style-type: none"> Print Application Software should be provided with this card printer and installed into PC by the vendor. 			
<ul style="list-style-type: none"> 10 pieces of additional full colour ribbon (YMCKO: 45500) for Fargo DTC1500 Dual-Sided Card Printer to be supplied along with the printer by the bidder. 			
<ul style="list-style-type: none"> 1 piece of Cleaning Kit for Fargo DTC1500 Dual-Sided Card Printer to be supplied along with the printer by the bidder. 			

Item No. 12: RFID Digital Entry Reader			
Item Minimum Specifications	Qty.	Deviation, If any	
Read/Write/Anti-theft programming should be done in one single operation	1		
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 Koha Library Management Software using NCIP V2.0 protocol			
Integrated with reader for patron ID Card based ISO/IEC 14443A Mifare Plus to read for Access control			
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			
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			Up to 5 cm
Antenna			Internal
Communication Interface			USB/RS232/Ethernet
Supported Transponders	ISO 15693, ISO 14443A and ISO 18000:3		
Operating Temperature	-10°C to +70°C		
Housing Material	ABS or Similar		

Item No. 13: RFID Smart Card Registration Reader		
Item Minimum Specifications	Qty.	Deviation, If any
Read/Write/Anti-theft programming should be done in one single operation	1	
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		

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The programming station should interface with the Koha 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 Koha 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	Up to 5 cm	
Antenna	Internal	
Communication Interface	USB/RS232/Ethernet	
Supported Transponders	ISO 15693, ISO 14443A and ISO 18000:3	
Operating Temperature	-10°C to +70°C	
Housing Material	ABS or Similar	

Item No. 14 Koha ILMS - 1 Piece

S/N	Description	Specification	Deviation, If any
1	<p>Installation, configuration of the latest old stable version of Koha ILS on the cloud for 1 year</p> <p>Cloud hosting may be arranged on shared VM basis</p>	<p>(a) Cloud hosted with 24/7 availability;</p> <p>(b) 99.9% uptime guarantee;</p> <p>(c) At least 50 thousand item records for one year</p> <p>(d) Unlimited user transactions.</p> <p>(e) Automatic daily data backup</p> <p>(f) SSL security with Grade A certificate</p> <p>(g) Server should be located in India.</p> <p>(h) ILS-DI support must be provided</p> <p>(i) REST API support for further integration with discovery and ERP system</p> <p>(j) NCIP 2.0/SIP 2.0 configuration support must be provided for RFID (integrated with the turn key project).</p> <p>(k) Koha upgrades and security updates must be applied regularly.</p> <p>The server should be accessible from anywhere anytime anyone basis.</p>	
2	Required customizations	The following customization support must be extended as and when required for OPAC and staff client (to be tuned to the needs of the institute)	

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		(a) CSS based (b) JQuery based (c) SQL Reports All non-Perl customizations should upgrade safe and must work across any future upgrade to Koha versions during the period under subscription.	
3	Offline Circulation	Using Koha Offline Circulation Tools	
4	Support and help desk facilities for Library staff on annual basis	Support may be provided through remote online help desk / In-person if required	
5	Email alerts (an institutional mail id will be provided for the purpose)	For circulation, overdue alerts etc	
6	Bulk user creation	Once a year student account creation form	

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1. Instructions to Bidders:

- a) If the bid is submitted by authorized dealer/ distributor for branded makes, a authorization letter from principals clearly indicating that the vendor is the authorized to sell and provide services for the items mentioned in the scope of supply given in tender documents shall be produced.
- b) Purchase Orders if any, for identical equipments supplied to other IISERs/IITs/Central Universities etc. for the preceding three years should be given together with the prices eventually or finally paid.
- c) Copy of CST/VAT/TIN No. and PAN No. allotted by the concerned authorities should be enclosed.
- d) In case of Foreign quote, the address of Principal's / Manufacturer's and their Banker's details should be furnished along with certificate.
- e) All pages of the tender document shall be invariably signed by the authorized Personnel and Company's rubber stamp affixed. Photocopies of all certificates shall be self-attested by the authorized personnel. There shall be no corrections or overwriting in the tender document. Corrections, if any, should be made clearly and countersigned.
- f) The makes/brand and name and address of the manufacturer, Country of Origin, and currency in which rates are quoted are to be clearly mentioned.
- g) Period of delivery, Period of Warranty should be mentioned specifically.
- h) Training charges (if any) be quoted separately.

2. Other Terms and Conditions

1. HNLU, Raipur reserves the right to accept or reject any bid in part or full without assigning any reason whatsoever. The University will not hold any responsibility for postal loss or delay of any bid.
2. **Period of validity of bids:** Bids shall be valid for a minimum period of **90 days** from the date of opening of the Techno-Commercial Bid.
3. **Delivery Period:** The required quantities of material have to be delivered and installed within 04 weeks from the date of issue of the Purchase Order.
4. In case your quote is Ex-works basis estimated insurance coverage charges may please be indicated.
5. In case of Foreign Quote, the mode of dispatch should be by Air / Post Parcel. The approximate dimensions of the packages and weight of consignment are to be indicated.
6. In case of INR bids the price quoted should be on F.O.R., HNLU Raipur. Govt. Levies like excise duty, sales tax, octroi, WCT etc., if any, shall be paid at actual rates applicable on the date of delivery. Rates should be quoted accordingly giving the basic price, Excise Duty, VAT/ Central Sales Tax etc. Please note that HNLU Raipur is exempted from payment of Central Excise duty vide Govt. Notification No.10/97-Central Excise dated 1st March, 1997.
7. Being an Educational and Research University HNLU Raipur is exempted from payment of Custom Duty vide Govt. Notification No.51/96-Customs dated 23rd July, 1996.
8. For imported items the agency commission payable to Indian Agent may be indicated. Agency commission will be paid in INR after

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- satisfactory commissioning and acceptance of the item.
9. Bidder shall provide duly signed certificate as enclosed at [Annexure-VI](#) with Techno- Commercial Bid.
 10. **EMD:** The Techno-commercial Bids must accompany a crossed Demand Draft of 60,000/- (Sixty Thousand Only) drawn on any scheduled bank and payable at Raipur in favour of “Registrar, HNLU, Raipur” for earnest money. No interest shall be paid on earnest money deposited. EMD of all bidders will be released after acceptance of the tender except successful bidder. EMD of successful bidder will be released only after supply and acceptance of the material/services.
 11. **Penalty for delayed supply and installation**
Time is the essence of the contract and the supplier shall pay or allow the University to realize the sum equivalent to 01(One) per cent of the total order value per week, subject to a maximum limit of 10% of the order value, as agreed compensation for delay for the period during which the supply and installation shall remain incomplete beyond the offered time of completion/execution or beyond the time duly extended in writing by the University. The University may deduct such damages from any money due to the supplier.
 12. **Payment Term (Please select one of the payment term option from given below):**
90% payment shall be made against satisfactory installation & commissioning, and balance 10% after completion of warranty period subject to submission of S.D. of 10% in form of D.D. /B.G upto warranty period. Bank Guarantee from the Scheduled Bank as per the format enclosed at [Annexure-V](#).
 13. **Warranty:** 3 Years Warranty and onsite maintenance period will start from the date of installation and satisfactory commissioning and acceptance. In case of any extended warranty period/AMC the payment will be released on pro-rata basis, subject to submission of PBG/SD of 10%.
 14. **Jurisdiction**
The disputes, legal matters, court matters, if any, shall be subject to Raipur Jurisdiction only.

Registrar

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ADDITIONAL CONDITIONS OF THE CONTRACT

**CHECKLIST FOR TENDER SUBMISSION
(TWO BID)**

(To be filled by the Tenderer by putting “√” and to be signed & stamped)

S.No.	Description	Yes	No
1.	Tender Fee		
2.	EMD		
3.	Documents as per Pre-Eligibility Criteria		
4.	Each pages of the tender document duly signed and stamped		
5.	Financial Bid filled up with quoted with proper Signature & Stamp		
6.	Tender Document should be digitally signed by the Tenderer		
7.	Annexures of the tender document duly signed and stamped		

I / We do hereby declare that all the above mentioned documents are enclosed as per the tender document.

Name of the Tenderer (in Block letters):

Signature:

Address:

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PRICE BID

(To be submitted in a separate sealed envelope)

Enquiry No. _____ Supply of: _____ Currency: _____

Sl. no.	Item	Manufacturer /Brand Name	UNIT COST				QTY	Total Cost (All Inclusive)
			Basic unit Cost	Discount if any	Taxes/Levies/ Octroi, etc. (Please specify)	Total Unit Cost		
1	RFID Tags for Books						35000	
2	RFID Smart Card System a) RFID Smart Card b) Smart Card Reader c) Smart Card Printer d) Full Color Ribbons e) Cleaning Kit						1200 1 1 10 1	
3	Multi-Purpose RFID Staff Station						1	
4	Integrated Self check-out/In Station (RFID)						1	
5	Library Security Gate (One Channel) with EAS Gates						1	
6	Transparent / Glass Book Drop Box						1	
7	Shelf Management System/Portable Hand held Reader						1	
8	RFID Server Layer for integration with RFID Devices with existing KOHA LMS using NCIP V2.0						1	
9	Job Work: complete installation, configuration and commissioning of latest stable version of Koha ILS on Cloud, training of staff on complimentary basis and successful implementation (Fixing Tags Registering Accn. No. on Tags & shielding with Logo), Hands-on-training with manuals /guide for 35000 books						1	
10	3 years warranty and onsite maintenance						1	
Total								

Date

Tenderer

Place

Signature of the

Stamp

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Annex- V

MODEL BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY

To

WHEREAS (name and address of the supplier) (hereinafter called “the supplier”) has undertaken, in pursuance of contract no.....dated..... to supply (description of goods and services) (hereinafter called “the contract”).

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of `(amount of the guarantee in

words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the day of, 20.....

(Signature of the authorized officer of the Bank)

.....

Name and designation of the officer

.....

.....

Seal, name & address of the Bank and address of the Branch

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Annex- VI

CERTIFICATE & DECLARATION

It has been certified that all information provided in tender form is true and correct to the best of my knowledge and belief. No forged / tampered document(s) are produced with tender form for gaining unlawful advantage. We understand that IISER, Bhopal is authorized to make enquiry to establish the facts claimed and obtain confidential reports from clients.

In case it is established that any information provided by us is false / misleading or in the circumstances where it is found that we have made any wrong claims, we are liable for forfeiture of EMD/SD and or any penal action and other damages including withdrawal of all work / purchase orders being executed by us. Further IISER, Bhopal is also authorized to blacklist our firm/company/agency and debar us in participating in any tender/bid in future.

I / We assure the University that neither I / We nor any of my / our workers will do any act/s which are improper / illegal during the execution in case the tender is awarded to us.

Neither I / We nor anybody on my / our behalf will indulge in any corrupt activities / practices in my / our dealing with the University.

Our Firm/ Company/ Agency is not been blacklisted or banned by any Govt. Department, PSU, University, Autonomous University or Any other Govt. Organization.

Date

Signature of the Tenderer

Place

Stamp

Note: This certificate should be executed on duly notarised ` 100/- NJ Stamp Paper.

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REF TENDER NO.
NAME OF WORK: “

NAME OF AGENCY: _____

To,

The Registrar,
HNLU,
Nava Raipur, Atal Nagar,
Chhattisgarh

Sirs,

With reference to the notice Inviting Tender, I/We have gone through the tender documents issued to us. I/We have also gone through the general conditions of the contract of HNLU. I/We here by confirm that I/We shall abide by terms and conditions of General conditions of the contract including form of tender, Invitation to Tender etc. I/We hereby declare that, I/We have visited, inspected and examined the site and its surroundings and well aware about the prevailing site conditions. I / we have satisfied ourselves before submitting this tender; obtained information about the nature of work, facilities that may be required and obtained necessary information about working conditions, risk contingencies etc., which may influence this tender. We hereby offer to execute & maintain the work during the defect liability period in conformity with the tender conditions at the respective rates quoted by us.

Signature of the vendor(s)

Name of Agency with complete address & email ID

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FORM OF APPLICATION BY THE VENDOR FOR SEEKING EXTENSION OF TIME

1. Name of vendor
2. Name of work as given in the agreement
3. Agreement no
4. Estimated amount put tender
5. Date of commencement of work as per tender
6. Period allowed for completion of work as per agreement
7. Date of completion stipulated in agreement
8. Period for which extension of time if has been given by authority previously letter no. and date
Extension granted in Months and days
 - (a) 1st extension.....
 - (b) 2nd extension
 - (c) Total extension previously given
9. Reasons for which current extension is sought (copies of the previous applications should be attached)
10. Period for which extension is applied for
11. Hindrances on account of which extension is applied for with dates on which hindrances occurred and the period for which these are likely to last (With copy to the Engineer-in-charge)

Signature of Vendor

Dated

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//Instruction to Suppliers/Bidders//

The tender shall be accepted only through **online e-tendering process** and all details pertaining to the tender and guidelines for e-tendering are available on the website <https://www.tenderwizard.com/HNLURAIPUR>.

Intending vendors needs to register themselves on the e-tendering website www.tenderwizard.com to get the USER ID and PASSWORD by paying required registration fee (Annual & Non-Refundable) through e-payment only and completing the steps specified on above referred website.

Special Note: The price bid and other documents has to be submitted separately online at www.tenderwizard.com. The date of Submission of online Technical and Financial will be as per tender notice.

Requirement for Vendors:-

P.C./ Laptop Connected with internet

Registration with portal www.tenderwizard.com

Class-III Digital signature certificate in the name of the company of the vendor is mandatory (in the name of the company who will be submitting the EMD & general information).this may be obtained by calling our helpdesk (9073677150/51/52).Bids will not be recorded without Digital signature Certificate.

Bidders will have to pay Tender Processing fee Rs /- including GST (Non-Refundable) through e-payment in favour of M/S ITI Ltd.

Note: Please check the Digital Signature Certificate. For more details bidders may visit e-tendering portal and download the help manuals uploaded in the website.

Contact Person:-

Help Desk

Email: helpdesk518@etenderwizard.com

Help Desk No: 9073677150/51/52

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FORM OF TENDER

(To be filled by the Tenderer with sign & stamp and submitted within the Financial Bid)

**To Registrar,
Hidayatullah National Law University,
Nava Raipur**

I/We, _____ Son/Daughter of Sri _____ Proprietor/Partner/CEO/MD/Director of M/s.-
_____ of (Address) _____
having examined the site of works, carefully read and understood the Specifications, General Conditions of Contract and Additional Conditions of the Tender, hereby tender and undertake to execute and complete all the works required to be performed in accordance with the Specifications, Bill of Quantities, General Conditions of Contract, the rates and prices set out in the annexed Bill of Quantities within ____ days / weeks / months from the seventh day of the date of receiving work order.

I agree to execute the work at (_____)% (in figure)(_____ percent) (in words) ABOVE / BELOW / AT PAR the Departmental Estimated Rates.

I/We have deposited online payment having Transaction No. _____ dated _____ in favour of Registrar, HNLU, RAIPUR for Rs. _____ Rupees _____
_____) with the tender as Cost of Tender Document.

I/We have deposited online payment having Transaction No. _____ dated _____ in favour of Registrar, HNLU RAIPUR for Rs. _____
(Rupees _____)
with the tender as Earnest Money Deposit.

I also declare that the information / documents furnished along with the application and tender are true and authentic to the best of my knowledge and belief. I am well aware of the fact that furnishing of any false information / fabricated document would lead to rejection of my tender / termination of contract at any stage besides liabilities towards prosecution under appropriate law. Each page of the tender document and papers submitted by my Company are authenticated, sealed, & signed, and I take full responsibility for the entire documents submitted with this tender.

I agree that the period for which the tender shall remain open for acceptance shall not be less than 90 Days from date of opening of tender.

Signature of the Tenderer / Authorized person

(Seal of the Tenderer) Name of the Tenderer (In Block letters)

Address: _____