



नागालैण्ड विश्वविद्यालय
NAGALAND UNIVERSITY

(संसद द्वारा पारित अधिनियम 1989, क्रमांक 35 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
(A Central University established by an Act of Parliament No.35 of 1989)

मुख्यालय : लुमामी, जिला : जुन्हेबोटो (नागालैण्ड), पिनकोड - 798627

Hqrs : Lumami, Dist. Zunheboto (Nagaland), Pin Code - 798627

वेबसाइट / Website : www.nagalanduniversity.ac.in

NO.NU/ADMN/GEN-45 (B)/07 - 2486

Dated: 19 Aug' 2024

RE-TENDER NOTICE

Sealed tenders are invited for Upgradation of RFID-based automation system in Libraries under Nagaland University. Interested authorised dealers/ firms may download the tender details/documents from the University website: www.nagalanduniversity.ac.in and submit their quotations along with tender fee of Rs.1000/- (non-refundable) through SBI collect in favour of Nagaland University. The tender documents (containing Technical and Financial bid) are to be sealed in an envelope superscript on the cover "Quotation for Upgradation of RFID-based automation system" addressed to the undersigned and submit on or before 9th Sept. 2024 during office working hours. No tender shall be accepted beyond this date and time.


(Dr. Abemo)
Registrar

NO.NU/ADMN/GEN-45 (B)/07

Dated: Aug' 2024

Copy to:-

1. The AR i/c to Vice-Chancellor, NU, for information of the VC.
2. The PA to Finance Officer, NU, Lumami, for information of the FO.
3. The Deputy Librarian, NU, Lumami for information
4. The System Administrator, NU, Lumami, with a request to upload the tender notice in the University website.
5. The Editor, Arihant Advertising Agency, Guwahati, with a request to publish in Times of India (NE Edition). Bills to be submitted for payment. It is a one time publication.
6. The Editor, Nagaland Post, Dimapur, with a request to publish in the next issue (size 6cm x 8cm). Bills in triplicate should be submitted for payment. It is a One time publication.
7. Office copy.


Registrar 19-08-24

TENDER NOTICE FOR SUPPLY, INSTALLATION, TESTING AND IMPLEMENTING OF RADIO FREQUENCY IDENTIFICATION (RFID) SYSTEM AT NAGALAND UNIVERSITY

Scope of Work: a) Supply, testing and installation of Radio Frequency Identification (RFID) system integrated with Library Management System (LMS) – Koha
b) Data Migration from existing LMS (SOUL 2.0) and existing RFID system
c) The project will be implemented in the three campuses of Nagaland University located within a 250 Km range

Terms and conditions:

- 1) The agency/vendor should be an Original Equipment Manufacturer (OEM) of RFID hardware components or an authorised distributor of OEM of RFID hardware components having experience of implementing RFID in libraries. The vendor shall submit certificate of authorization from the principal manufacturing company or self-declaration in case OEM is participating in the tender.
- 2) Preference will be given to firms who have completed similar RFID Library Automation work at minimum one place in Northeast India (Universities/institutions or Government agencies). Copies of such order must be enclosed with the offer. Satisfactory certificates from other 5 institutions (Central Universities, IITs, IIMs, INI) should also be provided.
- 3) The manufacturer should be an ISO:9001 / Equivalent certified company. Documentary evidence should be enclosed.
- 4) The equipment supplied under the contract should carry a warranty of minimum one year. Supplier shall extend free maintenance service during the warranty period including transportation costs. The warranty period shall be effective from the date of having completed successful installation, integration, implementation and training on the system in the library.
- 5) The systems should be scalable, i.e., it should be able to enhance the capacity and features as per technological developments and user requirements.
- 6) The supplied items should be compatible with the hardware/RFID tags/Smart cards currently in use to the extent possible.
- 7) When it is not possible to provide the precise quantity specified in the document for items like RFID tags and anti-theft stickers, the closest number should be provided.
- 8) Training: On site training is to be provided by the vendor to library staff of all the three campus libraries for operation, maintenance and administration of all the equipment and software, to the satisfaction of the department. Complete Write-up/Manuals and troubleshooting guides for all operations should also be provided. The vendor shall depute technical personnel on site for each campus up to period of 1 month so as to support, train and resolve any issues that may arise due to the implementation of RFID system.
- 9) Annual Maintenance: The tenderer should mention the annual maintenance charges (AMC) in the price schedule after warranty period. Tenderer should also give a brief write up about the services to be covered under the Annual Maintenance. Annual Maintenance charges will not be included while evaluating the tender.

10) Amendments to the Tender: Tender Inviting Authority may amend the tender wherever it is felt that such an amendment is absolutely necessary. Amendment to tender may also be given in response to clarifications by prospective tenderers and it is solely the discretion of the Tender Inviting Authority. Any amendment to the tender will be uploaded on the website <https://www.nagalanduniversity.ac.in>. It is the responsibility of the tenderer to verify the amendments if any and get the amendment documents before the submission of the tender provided no such change could be affected 48 hours prior to the time of opening of the tender.

11) Payment Term: No advance payment will be made to the successful Bidder. 100% payment will be made only after successful delivery, installation and commissioning and acceptance by the user.

12) Bidders who are MSME/NSIC registered seeking exemption from payment of EMD are to submit valid documents in support of their claim.

13) Past performance, reputation, quality of products supplied, advantageous pricing or cost benefit, compliance with the tender requirements, support service etc shall be taken into account for making the selection. The University is not bound to accept lowest tenders and reserve the right to accept/cancel any or all tenders without assigning any reason thereof.

Schedule of Requirement

S.No	Item	Quantity			
		Lumami Campus	Medziphema Campus	Meriema Campus	Total
1	Installation of Library Management Software(LMS)-Koha and Data Migration from Existing LMS (SOUL 2.0) Koha LMS should be customised to send email alerts for a) Reminder on overdue b) On check-in/check-out of books from library c) Instant reminder to publisher/vendor for due books, journals not received on due date or after grace	1	1	1	3

	period)				
2	RFID implementation (Migration of data from current software to software provided by the Vendor)	1	1	1	3
3	Multipurpose staff station (The staff station antenna should be fully shielded and should have a concentrated reading area. i.e., it should only read items that are placed on it. It should not read items that are in the vicinity)	1	1	1	3
4	RFID Smart Card Reader	1	1	1	3
5	Self-service kiosk (Should be equipped with high speed slip printer)	1	1	1	3
6	OPAC station kiosk	2	2	1	5
7	RFID Security Gate	1 (Double Lane with three antennas)	1 (Single Lane)	1 (Single Lane)	1
8	RFID Handheld reader (Stock control device should be able to (i) find misplaced book (ii) find duplicate (iii) identify issued books if there are any in library (iv) Complete stock check)	1	1	1	3
9	Self-adhesive RFID tags	5000	5000	5000	15,000
10	RFID Smart Card printer	1	1	1	3
11	Color ribbon for card printer	10	10	10	30
12	Anti-theft stickers	5000	5000	5000	15,000

13	Tower Server	1	1	1	3
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SL No	Minimum technical Specifications
1	<p>Multipurpose staff station</p> <ul style="list-style-type: none"> • It should be small in size and economical to use in any library desktop configuration and compatible with Windows (present configuration) • RFID Reader with integrated Antenna • The firmware should be ISO 15693 compliant and should be upgradeable to comply with future ISO 18000 RFID chips • Antenna: Capability to multiple read • Operating frequency: 13.56 MHz • Accompanied with the necessary software • Communication interface: serial RS232
2	<p>RFID Smart Card Reader:</p> <ul style="list-style-type: none"> • Dual interface • USB Reader
3	<p>Self-service kiosk</p> <p>It should consist of RFID reader with integrated antenna</p> <ul style="list-style-type: none"> • antenna with multiple read/write facility • Barcode reader • high speed slip printer • SIP2 Compliant client software for communication • branded PC • 17" OR Greater TFT LCD Monitor touch screen • Firmware protocol: The firmware should be ISO 15693 compliant and should be upgradeable to comply with future ISO 18000 RFID chips • Antenna: Capability to multiple read • Operating frequency: 13.56 MHz • Chip compatibility: Icode2 and ISO 15693 Chips • Accompanied with the necessary software • Communication interface: serial RS232 • Separate slot should be there for reading of RFID card • WPC/ACP body with powder coated finish for paint finish material • One service door • One lock <p>Note: Color and design of the kiosk will be as per Librarian</p>
4	<p>Opac station kiosk</p> <p>WPC/ACP body with powder coated finish for paint finish material (Size should be small and attractive and suitable option for easily fixing on wall)</p> <ul style="list-style-type: none"> • Mounting for 17/19" LCD touch screen monitor • Space for standard CPU / small form factor CPU / Panel PC with original windows and latest configuration.

	<ul style="list-style-type: none"> • Space for proper wiring arrangements of all hardwares • One service door • One lock • Wheels and brakes/shoes • Color as per choice of Librarian <p>Note: Should provide all required accessories for mounting it</p>
5	<p>RFID Security Gate</p> <ul style="list-style-type: none"> • Library EAS Security gantry arrangement • Dual lane gantry should consist of three pedestals • frequency support: 13.56 MHz • Gate width: 1.80 m • transmitting power: 10 W • reading should be 3 dimensional • supporting transponder: ISO 15693 compliant • controllable volume for alarm • strobe light • alarm count • Option for: Integrating with security camera & access control system <p>It should be crystal clear and there should be available clear space for displaying themes of library</p>
6	<p>RFID Handheld reader</p> <p>Wireless handheld reader, designed for contactless data exchange with ISO 15693 transponders, especially suitable for libraries. Typical applications include: an inventory of books, searching the media, automatic control of all media</p> <p>Depending on the type of the media and the reading distance, the output power can be switched between two levels: Standard Mode (1.5W), is used to identify books in a short distance. The Boost Mode (4 W) is intended for reading very thin books, magazines or CDs and DVDs</p> <p>The reader is able to search based on the UID (Unique Identification Number) or on a separate media number. Automatic media up to three media items are sought at once. The UIDs or media numbers are selected in the host system via WLAN to the reader. To search for media, the reader is passed as it runs parallel along the shelves</p>
7	<p>Self-adhesive RFID Tags:</p> <ul style="list-style-type: none"> ➤ 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"> • Lockable section – for item identification • Re-writable section for library – specific use • Security function for item anti-theft (which can be activated and deactivated) • The RFID Chip should have a multi-read function, i.e. several tags can be read at once • Frequency Support: 13.56MHz • Type: i-code 2 Compliant. • Memory Capacity: 1024 bits • Data re-write: 100000 times for each address • Anti-collision for Multi read • Size of tag: 49 mm x 81mm • Integrated Circuit (IC) NXP I Code SLIX • Antenna Size 45 x 76 mm (1.77 x 2.99 in)

	<ul style="list-style-type: none"> • Die-cut Size 49 x 81 mm (1.93 x 3.19 in) • International Standards ISO 15693 ISO 18000-3 Mode 1 • Warranty: Life Time
8	<p>Card Printer with software</p> <ul style="list-style-type: none"> • Color printing module • 300 dpi print head (11.8 dots/mm) • USB and Ethernet TCP-IP connections • 16 MB RAM • Detachable feeder with a capacity of 100 cards (0.76 mm – 30 mil) • Output hopper with a capacity of 100 cards (0.76 mm – 30 mil) • 1-Button and 4-LED control panel <p>Print Mode : Color dye sublimation and monochrome thermal transfer</p>
9	<p>University logo laminated stickers for book (Anti-theft stickers)</p> <ul style="list-style-type: none"> • Adhesive Paper sticker should be soft with logo printed over it • Design as per Librarian
10	<p>RFID Web Based Application.</p> <p>Web Based application having following features</p> <ul style="list-style-type: none"> • User and User Management • Tagging information of Items • Patron Information • Item Information • Block Unblock Member card • Reset PIN • Tagging Item List • Card Issue List • Not Tagged Item List • Card Not Issue List • Inventory Status • Missing Item List • Dislocated Item List • Inventory History • Daily item Issue Return Report of All KIOSK or Individual KIOSK that Install in Library. <p>Note: It should be customized as per Librarian.</p>
11	<p>Tower Server</p> <p>Intel Xeon 6-Core E2356G 3.2 GHz Processor 16 GB DDR4 ECC RAM 2.0 TB 7.2k Enterprise SATA HDD RAID 0,1,5,10 (On-Board) Free DOS Monitor 18.5 inch Keyboard and Mouse</p>