

SEALED TENDER NOTICE

Sealed tender is hereby invited as per the schedule annexed to this notice on behalf of the Director, Zoram Medical College from reputed and bonafide Manufacturers/Authorised Dealers for "Radio Frequency Identification (RFID) Equipments" (to be compatible with KOHA Software) which will be received by the Director, Zoram Medical College, Falkawn, Mizoram on or before 13.6.2025 upto 12:00 Noon. Tenders are to be opened by the Bid Opening Committee under the chairmanship of the Director, Zoram Medical College & Hospital (ZMC&H), Falkawn, or his authorized representatives at 1:00 PM on the same day. The Tenderers or their representatives may also be present at the time of opening of the Quotations, if they so desire. Tender Documents can be obtained from the Office of the Director, ZMC, Falkawn on all working days or downloaded from the department's website **zmc.edu.in**. Fee for tender documents is fixed at Rs. 500/-.

Sd/- H.LALENGMAWIA

Chairman

**Procurement Committee, ZMC&H
& Commissioner & Secretary , H&FW**

Memo no –D-12017/1/2020-ZMC/Pro

Dated Falkawn, the 15th May, 2025

Copy to :-

- 1) P.S. to the Commissioner & Secretary, H &FW, MINECO, Aizawl**
- 2) The Principal Director, H &FW, MINECO, Aizawl**
- 3) P.A. to Director, ZMC& H, Falkawn .**
- 4) Registrar, ZMC & H, Falkawn**
- 5) Deputy Director (F & A), ZMC & H, Falkawn**
- 6) Sub-Dean (P) , ZMC & H, Falkawn**
- 7) Guard File.**



(Dr. JOHN ZOHRMINGTHANGA)

**Member Secretary
Procurement Committee
& Director, ZMC & H**

CONTENTS OF THE BIDDING DOCUMENT

Supply of R.F.I.D. equipments

Sl.No	Category	Page Number
1	2	3
1	Instruction to Bidders and Qualification	3-4
2	Security Deposit	4
3	Warranty & After-sales Service	4-5
4	Reservation	5
5.	Method of Payment	5
5	Scope of Work/Supply	5-9
6	Format for Financial Bid (Form-I)	10
7	Format for Annual Maintenance (Form-II)	10
8	Form-III	11
9	Checklist	12

Terms & Conditions

I. INTRUCTION TO BIDDERS AND QUALIFICATION

1. Tenders shall be submitted in duplicate and accordingly marked “Original” and “Duplicate” as the case may be on the cover of the envelope. The outer cover of the tender shall be super scribed as “Radio Frequency Identification (RFID) Equipments” addressed to the Director, Zoram Medical College, Falkawn, clearly indicating full postal address with fax no. of the tender/sender.
2. Tenders should be submitted in the prescribed FORM-III (enclosed) only which can be obtained from the office of the Director, Zoram Medical College & Hospital, Falkawn, Mizoram on working days or the Department’s website alongwith tender receipt.
3. If the successful bidder fails to execute the supply within the specified terms or withdraws his bid within the validity period of the bid, the Earnest Money Deposit shall be forfeited. Earnest Money Deposit of successful bidder shall be returned on receipt of Performance Security and the Earnest Money Deposit shall not carry any interest.
4. Bidder/ Manufacturers submitting their tenders directly shall attach photo copies of their Manufacturing Licence, CIN (Corporate Identity Number) and other relevant permissions/licences required for such manufacturing duly attested by a Gazetted Officer or Notary. Original Certificates shall be produced at the time of opening of the tenders/quotations, if demanded.
5. Tenders received from firms and individuals who are not authorized dealers but only authorized to quote on behalf of the manufacturer or dealer shall be accepted. Authorized dealers shall attach Authorization or Distributorship or Dealership, as the case may be from the concerned manufacturers. A Gazetted Officer or Notary, however, shall duly attest such photo copies. Original Certificate shall be produced at the time of opening of the tenders/quotations, if demanded.
6. Quoted rates in terms of Indian Rupees will be considered inclusive of Goods and Services Tax (GST). If there is more than one brand, the separate rates for such brands with specific details should be mentioned.
7. Warranty period should be mentioned clearly and availability of After- Sale- Services facilities during warranty period.
8. F.O.R. destination is Zoram Medical College, Falkawn.
9. Tender must be accompanied by the following documents:-

- a) *Photo copy of GST Registration Certificate duly attested by a Gazetted Officer. Original Certificates should be produced at the time of opening of the tenders/quotations, if demanded.*
 - b) *Photo copy of Scheduled Tribe Certificate duly attested by a Gazetted Officer or Notary (for Tribal tenderer). Original Certificates should be produced at the time of opening of the tenders/quotations, if demanded.*
 - c) *Non-Judicial Adhesive Stamp worth at least Rs. 7.50 should be affixed (for Non-Tribal tenderer).*
10. The tenderer should submit Attested or Notorized Photo copy of valid and upto date GMP Certificate/ISO.
 11. After sales service should be provided and tenderers should clearly indicate the length & duration of providing after sales service.
 12. Tenders must enclose detail specifications of the items. They must also enclose relevant documents including catalogue /literature of the quoted items.
 13. Tenders submitted should be valid for a period of 90 days.
 14. The Department reserves the right to reject any quotation based on the inflation of price quoted compared to local market rates.
 15. Past experience - The bidding firm must have an experience at least 1 project of similar nature. They must submit a proof of experience along with the other documents.

II SECURITY DEPOSIT/EARNEST MONEY DEPOSIT

1. Tenders shall be accompanied with the Earnest Money Deposit of 5% of quoted value in the form of Demand Draft/Deposit at Call in original, from any Nationalized Bank of India or Postal Saving Certificate duly pledged in favor of Director Zoram, Medical College, Falkawn which will be released after completion of supply/installation and in case of firms who are not awarded supply, the EMD will be released within 2 months or earlier.
2. 5 % EMD of selected firms will be desposited as security deposit and will be released after successful completion of work/supply allotted.
3. If the successful bidder fails to initiate the works within the specified terms or withdraws his bid within the validity period of the bid, the Earnest Money Deposit shall be forfeited,. Earnest Money Deposit of successful bidder shall be returned on receipt of Performance Security and the Earnest Money Deposit shall not carry any interest.

III. WARRANTY & AFTER –SALE SERVICE

1. Warranty period should be a period of 1 year
2. Availability of after-sale service on the expiry of warranty along with provision of AMC/CMC should be filled in Form-II of this document.

IV. RESERVATION

1. The Department also reserves the right to commute the quantity or increase the quantity of goods regardless of the quantity indicated in the tender documents as per Rule 54(1)(2)(3) of the Mizoram Public Procurement Rules, 2020.
2. The Department reserves the right to ward the scope of work/supply in whole or in part to one or more than one bidder.
3. As prescribed under Rule 49(1)(a)(b)(c)(d) of the Mizoram Public Procurement Rules, 2020, the Department will have the right to reject any bids or to annul the bidding process and reject all bids.
4. All bidding process is subjected to Rule 15 of the Mizoram Public Procurement Rules, 2020.

V. METHOD OF PAYMENT

1. No Advance payment will be made
2. 80% payment will be done after full installation
3. Remaining 20 % will be paid after testing, commissioning and training
4. Annual Maintenance shall be paid separately at the end of each fiscal year

VI. SCOPE OF WORK/SUPPLY

1. RFID STAFF READER FOR THE CIRCULATION DESK

- 1 NO

No	Description
1	For circulation and conversion operations at the staff desk. It physically should consist of a combined station unit from the manufacturing level. There should be no separate Reader & Antenna. Only data and power cables should be connected to the unit.
2	The RFID antenna shall be fully shielded, i.e. not read items placed under the table and on the side of the antenna pad
3	The unit shall be fabricated in transparent Plexiglas with integrated LED's showing the operational status

4	The staff station shall be able to program and verify multiple RFID tags placed on the antenna
5	The staff station will enable the security status of the tag to be changed without interaction with the LMS
6	The staff station connects to the PC via USB only
7	Suitable software for integrating the RFID functions into the circulation workflow and for tagging library items will be provided with the equipment
8	Design: Easy to use space-saving, ergonomic design and interface and should include feedback indicators
9	Software for Circulation of the items using SIP2/NCIP only without any middleware
10	Software for Circulation should not be through keyboard input or screen mapping into the LMS software. It should be an independent software which can be used for Circulation using Card Reader for patron Identification and RFID reader for Book Identification
11	The software system provided should be able to provide the detailed MIS for the tagging. It should be able to generate the lists for the tagging of the items with the time stamp, Accession No & Tag Id
12	For circulation processes the software should be able to provide an MIS for all the checked out and checked in items with patron details
13	Energy Profile: 200-240 VAC, 2.0/1.0 A, Single phase
14	Staff station should also support patron card reader for ISO 14443A cards with application for card programming and reprogramming. Standards & Protocols: ISO 14443 A/B with up to 848 kbps transmission rate (depending on card), ISO 15693 with up to 26 kbps transmission rate (depending on card), T=CL
15	Staff station should have an STQC certified Biometric Scanner integrated with the application software.
16	It should be possible to use the circulation software after doing the biometric based authentication as well. Biometric device to be supplied for the authentication along with the computer application and PC.

2. RFID GATE -

1 no

No	Description
1	The gates shall be fabricated in solid Plexiglas

2	The gate shall trigger an alert with specific AFI or EAS AFI or values
3	External devices, such as CCTV and/or barriers can be connected and other required devices
4	The system should incorporate visual and audible alarms.
5	The alarm system should have flexible light in 7 different colours: Red, cyan, magenta, blue, green, yellow, white
6	On alarm the Perspex antenna should be fully illuminated
7	The visual alarm should be configured to flash corridor specific or give a full system alert
8	The audible alert should have a variable alarm pattern and adjustable volume
9	The system should detect direction specific and should be able to be configured for incoming, outgoing and Bi-directional.
10	The gates shall incorporate a people counter based on radar technology
11	The gates should have an integrated LED display for diagnostic information and counts
12	The gate must have the option to remotely reset patron counter stats to zero via an Ethernet connection to the library's network.
13	system must integrate with software that provides alerts for staff indicating gate and corridor alarming in real-time, including title of item(s) and whether it was properly checked out.
14	System must have central management tool that allows you to aggregate the statistics across your estate and view health status of all equipment within single software connection.
15	The system should incorporate an energy saving function that can remain in a low energy state until the people counter detects movement
16	The system shall provide full 3D detection from 0 to 110cm
17	Detection system must have a read range of no less than sixty-three (63) inches between two security gate panels.
18	System shall read up to 8 tags per second in all 3 directions
19	System shall be built on a master – slave principle with possibility of up to 7 pedestals in one single system
20	All electronics, i.e. readers, multiplexers should be built into the pedestals, there should

	not be any external devices
21	The gate should support multiple RFID data encoding models simultaneously
22	The antenna's shall have the following dimensions H 1798 x W 690 cm for optimal detection. Millimetres: 73 (Max at base) x 680 x 1,780 (± 3)
23	It should be possible to detect the exact book which generated the alarm through a software system.
24	Statistics of the Patron Counter and Alarms should be available through a software system.
25	The gate must have the option to remotely reset patron counter stats to zero via an Ethernet connection to the library's network.
26	Gate must integrate with software that provides alerts for staff indicating gate and corridor alarming in real-time, including title of item(s) and whether it was properly checked out.
27	detection system must provide item security even when the Library's ILS or network is offline or not functioning. It should not require contact with the ILS to verify every item passing through the gate
28	The detection system must be UL certified.(UL- Underwriters Laboratories)
29	Standards & compliance: CE, RCM, ETSI, FCC, IC, ADA, DDA, UL and CSA

3. RFID Tags with Anti- Theft stickers for book tagging –

2500 nos

No.	Description
1.	Standards: ISO 18000–3, ISO 15693, ISO 28560-1, CE, S10716 & ISO 9706 from TÜV SÜD PSB
2.	RFID tags must have operating frequency of 13.56MHz
3	Should be delivered in 2000 units per reel
4	Operating Temperature: -25 °C to 70 °C / -13 °F to 158 °F
5	Storage Temperature: 18 °C to 26 °C / 64,4 °F to 78,8 °F
6	Storage humidity: 50 +/-10% rel. non condensing
7	RFID should have dimensions- 50 x 50 (LxW) mm
8	Memory should have 2.5k bits user memory, with self-adhesive backside
9	Should be water resistant and flexible enough so as to be able to bend or crease.
10	Should have minimum delivery yield of 97%.
11	Should have Lifetime Warranty, data retention of 50 years

12	RFID tags should have the capability to provide over 100,000 read/write operations
13	Should have NXP ICODE SLIX2 processor
14	Should have inbuilt Aluminum antenna
15	The operating temperature of the RFID Tags should be -40°C to 85°C.
16	All the RFID Tags should have undergone accelerated aging test at 85°C and at 85% humidity for 15 weeks which includes performance testing.

3.ANNUAL MAINTENANCE

- a. Annual Inspection .
- b. Firmware updates, patches, bug firminh etc.
- c. Calibration and tuning og RFIF gates as when necessary.
- d. Tag performance verification.
- e. Corretive maintenance viz- repairs & replacement, troubleshooting and rectification , replacement of faulty RFID tag etc
- f. On-call support
- g. Any other requirement identified by the employer.

4.RFID Installation and Training

– 2 days

Software specification:-

1. The bidder must clearly specify the various software components for the system viz library Management Sustem (LMS) with RFID Integration, RFID Middleware, Self-check in/ check –out software, security and anti-theft software etc, with all their detailed features.
2. The bidder must specify the nature the middleware (Open standard or proprietary /closed)
3. The bidder must specify if different software is used for middleware.

Period

1. The project must be ready for commission within a period of six months, starting from the date of amount of contract.

VI. FORMAT FOR FINANCIAL BID

FORM-1

Sl. No	Category	Total in INR (figures)	In words
1	2	3	4
1	RFID Staff Reader for the circulation Desk	1 unit	
2	Security Gate Antenna System	1 unit	
3	RFID tags with Anti Theft stickers for book tagging	2500 nos	
4	RFID installation and Training	2 days	
<i>(Price quoted should be inclusive of all taxes)</i>			
	GRAND TOTAL		

VII. FORMAT FOR ANNUAL MAINTENANCE

FORM-II

Sl.No	Category	1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year
1	2	3	4	5	6	7
1	Annual Maintenance Contract					
<i>(Price quoted should be inclusive of all taxes)</i>						
		AMC cost for 5 consecutive years to be filled up in figures				

Inclusion of AMC rate in the valuation of bids will be at the discretion of the chairman

Signature of Bidder (with seal)

SUPPLY OF "RADIO FREQUENCY IDENTIFICATION (RFID) EQUIPMENTS"
(To be compatible with KOHA Software)
ZORAM MEDICAL COLLEGE, FALKAWN

FIRM/AGENCY PROFILE

1. Name of Firm/Agency: _____
2. Name of Proprietor : _____
3. Address of Firm : _____
4. Pin Code : _____
5. Contact No. : _____
6. Email : _____

7. Bank Account Details:

Name of A/c Holder : _____

Name of Bank : _____

Name of Branch : _____

Account Number : _____

IFSC CODE : _____

MICR CODE : _____

8. Name(s) of products/company in which dealership or authorization is obtained.

We, hereby declare that we have no reservations to the terms and conditions of this bidding document.

Date:

Signature:

Place:

Company seal:

Checklist

SL/no		
1.	Original and Duplicate copy	
2.	Form I, II & III	
3.	EMD	
4.	Manufacturers –Authorisation license	
5.	GST Registration	
6.	Warranty Period	
7.	Tribal Certificate	
8.	GMP Certificate /ISO	
9.	After Sales Services	
10.	Experiences	