

ICAR-CENTRAL INSTITUTE OF FISHERIES EDUCATION
(Deemed University), Indian Council of Agricultural Research
Panch Marg, Off Yari Road, Versova, Andheri (W), Mumbai – 400 061
Phone No.: 022-26361446/7/8 Extt 560 Fax No.: 022-26361573
web site : <http://www.cife.edu.in>

NOTICE INVITING TENDER

No.: LIB/ RFID/2016-17

Dated: 20.11.2016

Central Library, ICAR-Central Institute of Fisheries Education, Mumbai-400061 would like to procure the **Complete RFID System on turn key basis** for which sealed Offers/Tenders are invited from the reputed & bonafide Manufacturers and Authorized Dealers/Distributors.

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 Central Library, ICAR-Central Institute of Fisheries Education, Mumbai-400061. 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 Manufacture. Provide certificate from OEM
- RFID vendor should have local technical and service support in Mumbai
- RFID vendor must have minimum 3 live sites (preferred IITs/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 Company must have Minimum Turnover since last three years of Rs.50 Lakhs
- The Company must be a registered firm in India and in business for the last 5 Years or more.
- The Company should provide for each item quoted, reference of two institutes where they have installed the same model of the equipment in the compliance sheet.

2. The Bidders are requested to give detailed tender in two parts i.e.

Part - I: Technical Bid.

Part - II: Price Bid.

Detailed procedure for submission of bids/offers is given in [Annexure - III](#)

I - Technical Bid

- a) Provide complete information in [Annexure-II](#). This part of the tender shall contain company profile and commercial terms & conditions of contract for the supplies to be made and services to be rendered.
- b) No brochures/leaflets etc. should be submitted in loose form. Please indicate page nos. on your quotation.
- c) **Submission of compliance sheet as per [Annexure – I \(b\)](#) is essential part of Technical Bid.** If there is any deviation in specifications of material/ items, record with complete details. Attach separate sheets wherever required. The Institute reserves the right to decide on such deviation/s.
- d) **The technical offer should not contain any price information.**

II - Price Bid

- a) The Price Bid shall contain rates of the items. The price should be FOR Destination / FOB International Airport (in case of foreign manufacturer) and be quoted indicating the basic price, discount on basic price, taxes and duties as applicable.
- b) In case of any discrepancy in the rates indicated in the Price bid either in figures or words, the rates in words will be considered for evaluation.
- c) Format of price bid is enclosed with document and annexed as [Annexure-IV](#)

3. Contact for information:

- a) For any Technical Details: Mr. Subhash Chand, Assitt. Chief Technical Officer
- b) For any commercial terms and condition: Senior Administrative Officer, ICAR-CIFE, Mumbai-400061

4. Submission of Bids:

Bids shall be submitted to: The Senior Administrative Officer, ICAR- Central Institute of Fisheries Education, Panch Marg, Yari Road, Versova, Andheri (W), Mumbai-400061

- **Time and Date of Submission: On or before 13.00 PM on 12.12.2016**
- **Time and Date of opening Technical Bid: At 15.30 PM on 12.12.2016.**
- **Opening of part-II (Price) will be intimated later to technically qualified tenderers after scrutiny of Technical Bid part.**

ICAR-CIFE, Mumbai will not be responsible, for submission / delivery of quotation at wrong places.

5. Instructions to Bidders:

- a) If the bid is submitted by authorized dealer/ distributor for branded makes, an 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 equipment supplied to other SAUs/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 Company should provide for each item quoted, reference of two institutes where they have installed the same model of the equipment in the compliance sheet.
- g) 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.
- h) Period of delivery, Period of Warranty should be mentioned specifically.
- i) Training charges (if any) be quoted separately.
- j) Under ICAR initiative, we are using KOHA library Management System which is on Cloud and maintained by OpenLX (OpenLX Technologies Pvt. Ltd.). Since the RFID system has to be integrated with KOHA, bidders are required to test the working of their RFID system with the existing KOHA. OpenLX will only provide SIP2 protocol details. No administrative password for database or KOHA will be shared. Bidders are required to get satisfactory working certificate from OpenLX.

6. Other Terms and Conditions:

1. Director, ICAR-CIFE, Mumbai reserves the right to accept or reject any bid in part or full without assigning any reason whatsoever. The Institute 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 Technical Bid.
3. **Delivery Period:** Hardware Delivery time will be 6 to 8 weeks after receipt of firm purchase order and Quotes & Estimates for each item quoted above are valid for 90 days after the due date of submission
4. **Tender Fees:** Tenders in any other form except on the tender form issued by Institute should not be entertained. The non-refundable cost of the tender is Rs.1000/-. In case the same has been downloaded, the cost of the tender has to be enclosed in the form of Bank draft in favour of Director of the ICAR Unit - CIFE, Mumbai attached with the Technical Bid.
5. **EMD:** The Technical Bid must accompany a crossed Demand Draft of Rs.1,00,000.00 (Rupees One Lakh) drawn on any scheduled bank and payable at Mumbai in favour of ICAR- Unit, CIFE, Mumbai” for earnest money. No interest shall be paid on earnest money deposited. EMD of all bidder 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.
6. **Security Deposit:** Against satisfactory installation & commissioning, and subject to submission of S.D. of 10% in form of B.G up to warranty period. Bank Guarantee from the Scheduled Bank as per the format enclosed at Annexure-V.
7. **Penalty for delayed supply and installation:** Time is the essence of the contract and the supplier shall pay or allow the Institute 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 Institute. The Institute may deduct such damages from any money due to the supplier.
8. **Warranty:** 3 Years Warranty and onsite maintenance period will start from the date of installation and satisfactory commissioning unless mentioned otherwise standard warranty period is one year from the date of installation 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%.
9. **Jurisdictions:** The disputes, legal matters, court matters, if any, shall be subject to Mumbai Jurisdiction only.

Senior Administrative Officer

TECHNICAL BID: on Turnkey Basis

(To be submitted in a separate sealed envelope)

For supply of Complete RFID System to, ICAR-Central Institute of Fisheries Education, Mumbai-400061

1.	Name of Tendering Company with Registration No. & Date issued by appropriate authorities (Please enclose copy of certificate of registration)		
2.	Do you possess trade license issued by Competent Authorities in India? If so, please enclose a copy.		
3.	Name of Proprietor / Director		
4.	Furnish following particulars of the Registered Office		
	a. Complete Postal Address		
	b. Telephone No.		
	c. Fax. No.		
	d. E-Mail Address		
5.	Furnish following particulars of the Local Branch Office. (if any)		
	a. Complete Postal Address		
	b. Telephone No.		
	c. Fax. No.		
	d. E-Mail Address		
6.	PAN No. (Attach Attested Copy)		
7.	TIN No. (Attach Attested Copy)		
8.	If Manufacturer – Pl. attach the certificate of Registration If Authorized Dealer / Distributer – Pl. attach relevant certificate.		
9.	Financial turnover for the three financial Years.(Please attach copy of certificate by Chartered Accountant in original) Financial Year	Amount (` In Lakhs)	Remarks, if any
	2013 - 2014		
	2014 - 2015		
	2015 - 20 16		
	(Attach separate sheet if space provided is insufficient)		
10.	Give details of the major clients – Educational Institutes/Universities, Government Departments, Research Organizations, to whom item/material of same type have been supplied by the bidder during the last five years in the following format.		

Sl. No	Name & address of the client with details - Name of the contact person, telephone no., Fax no., e-mail id	Name & quantity of the items sold	Purchase Order/Indent No. & Date	Amount `
1				
2				
3				
4				
5				

(If the space provided is insufficient, a separate sheet may be attached)

11.	The agency should not have been black listed or banned by any Govt. Department, Government Organization, PSU, University, Autonomous Institute etc. A notarized certificate to this fact should be enclosed with Technical Bid as per Annex. VI		
12.	Are you an ISO certified manufacturer? If so, please attach a copy of the certificate.		
13.	Please specify the minimum time required to supply the item / material from the date of receipt of the Purchase Order		
14.	Additional information, if any (Attach separate sheet, if required)		

Date

Signature of Tenderer

SPECIAL INSTRUCTIONS FOR TWO PART TENDER

1.1 MANNER AND METHOD FOR SUBMISSION OF TENDERS

- 1.1.1 All tenders in response to this invitation shall be submitted in Two Parts as under in the separate sealed envelopes. On top of the envelopes containing respective part, it will be clearly indicated in bold letters:-
- (i) Part I (Technical Bid)
 - (ii) Part II (Financial Bid)
- 1.1.2 A. PART-I (TECHNICAL BID) This part of the tender shall include/contain all technical details, technical specifications, drawings and also the commercial terms and conditions of contract for the supplies to be made and the services to be rendered **EXCLUDING ANY PRICE DETAILS THEREOF.**
- B. PART-II (Financial Bid) This part should contain only the prices of the stores offered for supply and the charges for the services to be rendered.
- 1.1.3 Part-I (Technical Bid) should contain/include only technical specifications, technical details, literature, reference to earlier supplies of similar equipment without enclosing the purchase order copies, drawings, quantity, time required for submission and approval of drawings, manufacturing and delivery schedule, inspection/testing procedure itemized list of spares and quantity (without price) recommended by the tenderer for purchase term of price mode and terms of payment, mode of dispatch, the quantum/percentage of statutory levies payable by the Purchaser as extra and all related commercial terms and conditions for the supplies and for the services like erection and commissioning to be rendered by the tenderers. The tenderer shall take special care **NOT TO MIX UP** the price of the stores in this part of the tender.
- 1.1.4 Part-II(Financial Bid) shall include/contain only price, price break-up, freight/safe delivery charges, charges for training of the Purchaser's engineers wherever applicable, lump sum charges for erection and commissioning work as is envisaged in the Purchaser's tender document, testing charges, third party inspection charges etc. This part of the tender i.e. Part-II (Price) shall be enclosed separately in the sealed envelope.

1.2 TECHNICAL CLARIFICATIONS

- 1.2.1 After opening the Part-I (Technical Bid) of the tender, if it becomes necessary for the technical authorities/user department to seek clarification from the tenderers, the same will be sought for from the tenderers by the Technical authorities/user department, in such an event, the tenderer shall-
- (i) Furnish all technical information/clarification to the concerned technical authority directly in the sealed envelope to reach on or before the due date, and time fixed by the technical authorities in an ordinary envelope indicating the Purchaser's tender reference. If the technical clarification/details sought for by the technical authorities from the tenderers do not reach them on or before the due date and time fixed for its receipt, such tenders will be liable for rejection at the discretion of purchaser.

- (ii) Have an option to modify the price based on the technical clarifications or discussion the tenderers had with the user department. In case they wish to make any revision in the price, they should communicate such a revision in price in sealed cover within due date.

1.3 OPENING OF TENDERS

1.3.1 Part-I (Technical Bid) of the tender will be opened at the first stage on the due date and time indicated for opening in the tender notice. While the Part-II (Financial Bid) will be opened at the second stage on the date and time as intimated after scrutiny of Part-I (Technical Bid).

1.3.2 While all the tenderers who submit tenders within the due date and time specified for its receipt will be permitted to participate in the opening of Part-I (Technical Bid) of the tender on the due date and time indicated in the tender inquiry, the opening of the Part-II (Financial Bid) of the tender can be attended to only by such of those tenderers whose tenders are found to be technically suitable/acceptable to the Purchaser and to whom intimation thereof is given by the Purchaser by Fax/Telegram, Letter, etc.

1.3.3 The tenders whose Technical Bid Part (Part-I) are found suitable/acceptable to the Purchaser, will be given advance intimation by the Purchaser to enable such tenderers to depute their representative to participate in the opening of the Part-II (Financial Bid) of the tender. The technically unqualified tenderers will neither be given any intimation about the due date and time for opening Part-II (Financial Bid) of the tender nor will they be permitted to participate in the opening of the same. **Part-II (Financial Bid) of the technically disqualified tenderers will not be opened.**

Note:-1. Part-I (Technical Bid) and Part-II (Price) should be submitted in separate sealed covers, super scribed with the Purchasers tender number and the Part number say Part-I (Technical Bid) or Part-II (Financial Bid).

2. Both the Part envelops will be sealed in a cover envelope super scribed with the tender number and date and time of submission and opening of tender.

Tenders not submitted in the manner specified above will be summarily rejected.

Financial Bid

(To be submitted in a separate sealed envelope)

Enquiry No. _____

Supply of: _____

Currency: _____

Sl. No	Description of Material	Quantity	Rate Quoted per Unit	Total Amount
1	RFID Tags for Books	50000		
2	Plastic Pre-printed (Double Side) Barcode Card System			
	a) Membership Barcode Card with printing	500		
	b) Lanyard and plastic case of good quality	500		
3	Multi-Purpose RFID Staff Station	2		
4	Library Security Gate (One Channel) with EAS/AFI Gates	1		
5	Shelf Management System/Portable Hand held Reader	1		
6	Self-Check-in /Checkout Counter	1		
7	Charges for SIP2 Protocol for KOHA	1		
8	Job work: Complete installation and successful implementation (Fixing Tags, Registering Accession No. on Tags), Hands-on-training (with manuals/guide)	50000		
9	3 Years Warranty and onsite maintenance	1		
10	10000 SMS PACK	1		
	Total			
	Discount Offered			
	Discounted Price			
	Taxes & Duties			
	Net Price Offered (in Fig. and words)			

Note : 1. The basic price should be FOR, Institute. / FOB International Airport (in case of foreign supply) please indicate basic price, discount offered, Taxes, Duties, separately. 2. Price of Optional items and accessories shall be quoted separately.

Date

Signature of the Tenderer

Place

Stamp

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) (Herein after 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

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 ICAR- CIFE, Mumbai 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 ICAR- CIFE, Mumbai is also authorized to blacklist our firm/company/agency and debar us in participating in any tender/bid in future.

I / We assure the Institute 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 Institute.

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

Date

Signature of the Tenderer

Place

Stamp

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

**Technical Specifications of RFID System Integrated with existing KOHA Software
(Integrated Library Management System): on Turnkey Basis**

Sr.No.	Specifications of RFID Equipment	Specification of the product quoted	Deviation if any Higher/Lower	Name of Institute where model offered is installed and working successfully
1.	<p>RFID System for Document Identification and Security, integrated with existing Koha (ILMS) Software</p> <p><u>HF RFID Tags</u></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 • Re-writeable section for library specific use Security function EAS (Electronic Article Surveillance) 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 once • Tag size should be app. 80 mm×50 mm (+/-10%) with at least 1024 bits memory with self-adhesive backside , multi read , antitheft and life time warranty • Distance for detection from pedestal should be minimum of 36 inches Tags should be ISO 15693/18000-3 compliant • Operating frequency 13.56 MHz 			
2.	<p><u>Pre Printed Plastic Cards</u></p> <ul style="list-style-type: none"> • Double side colour printing along with barcode, photograph and other details as required by institute. • Format has to be approved by Institute before printing. • Lanyard (Along with Institute name and logo) with good quality plastic case. 			
3.	<p><u>Multi- Purpose RFID Staff Station</u></p> <p>Library staff station with the following specifications</p> <ul style="list-style-type: none"> • Should interface with KOHA Open Source LMS(Library Management Software) • It should be small in size and ergonomic so as to use it in any library desktop configuration (table top or underneath table/desk) • Read/Write/Anti-theft programming should be done in one single operation • Read /Write distance of around 20-30 Cms • Should be ISO 15693/ISO 18000-3.1 ISO. • The programming station should interface with the KOHA Library Management Software without NCIP or SIP 2 • RFID Staff Station should also allow using KOHA/ILMS as interface for Check-in/Checkout/Renewal as front end and RFID application as back end. • Communication Port: IP and Ethernet for communication over web service • Certificate: CE/EMC 			

Reader Specifications

Operating Frequency	13.56 MHz
Chip Compatibility	ISO 15693 ISO 18000-3.1
RF Channels	1
RF Output Power	1W
General Purpose Input / Output (IO)	1 input and 1 output
Power Supply	12 Volts DC
Communication interface	RS232/USB/Ethernet

Antenna Specifications

Operating Frequency	13.56 MHz
Reader Compatibility	
RF Input Power	1-1.2W
Operating Temperature	0° to 55°C (32° to 131°F)
Storage Temperature	Up to 60°C

4.

Library security gate (One Channel) with AFI/EAS Gates: Security gate should include two theft detection pedestals, which are interdependent of each other and also have an overlapping protection zones providing additional security. The system should have suitable number of I/O ports for Standard electronic counter, web cam trigger, Locking gates, etc. The offer must be complete in all respects and must include all the components required for the functionality of the system. Library security gate would have following specifications as mentioned below:

- 13.56 MHz frequency range
- Can be configured to detect different chip types simultaneously.
- If EAS (Electronic Article Surveillance) or AFI (Application Family Identifier) bit "ON" detected, it must trigger alarm
- Should have suitable number of I/O port for standard electronic counter, web cam, trigger, CCTV, locking gate etc.
- Detection Range: Minimum 1.35 mtrs (approx) between two/three pedestals
- Should be supplied with a fully ROHS compliant Reader/controller to save power.
- Lights and buzzer inbuilt
- Powerful DSP (Digital Signal Processor)
- People Counter (Infra –Ray Port).
- The proposed system must provide items security even when the LMS or network is off lime or not functioning.
- It should be possible to display the details like accession number, title of the items which have triggered alarm on any PC in the network.
- The gates should be integrated along with the electronic lock of the main gate. Electronic lock will be supplied by the bidder.
- certification required CE/EMC/UL/FCC

Product Specifications

Operating Frequency	13.56 MHz
Chip Compatibility	ISO 15693 /18000-3/28560
Detection Range	Minimum 135 (cm) between two pedestals
Security Modes Alarms	(application dependent) EAS & AFI Lights and buzzer located in the pedestal
People Counter	Counts in/out traffic
Communication Interface	RS232/RS422/RS485 or Ethernet
Power Consumption	30W
Power Supply	85 to 265 VAC/5060HZ
Casing	High quality plastic KYDEX UL94 Vo or plexiglass.
Dimensions Operating Temperature	App.620 x 80 x 1779 mm (24.4 x 3.1 x 70 in) 0° to 55° C (32° to 131° F)

5. Shelf Management System / Portable Handheld Reader

Wi-Fi Portable Library Inventory Reader integrated & supplied with PDA and two units of rechargeable NiMH batteries

Display: 3.5"QVGA touch screen, 240x320 pixels, 262 k colours

Adjustable LED backlight, Daylight readable

Supplied with large, clear & sharp color display

Keypad:

Numeric (alpha) keypad

29 distinguished buttons: 0-9 (alpha), scan, ok, del, tab, esc, shift, alt,

3 mode keys, 6 navigation keys

Keyboard backlight with individual control for each key.

Power :

Dry battery rechargeable, removable Lithium-Ion battery

pack 2600 mAh @ 7.4V

4800 mAh @ 7.4V with pistol grip

Up to 30 hrs (standard battery)

Desktop charging cradle with USB connection

Desktop charging cradle with spare battery charging slot

Typical charging time: 2.5 hrs (0 to 90 %) and 5 hrs (0 to 100 %)

External power supply AC adapter for desktop charger input 100- 240 VAC, 1A, 50-60 Hz /

Backup battery/batteries Back-up battery for RAM: maintains memory contents for 8 hours Back-up battery for real-time clock: keeps time for 200 days.

Nominal reading distance: 0-30 cm. Reading speed: up to 30 tags per second.

Has identification for both Bar Code & HF RFID Labels, Should weigh 1kg or less.

Supplied with Desktop Charging cradle with USB connection. Should be compatible to

	<p><i>communication standards like WLAN or USB</i></p> <p><i>The portable handheld reader shall feature a touch screen display and use a removable memory card. Must process shelf lists, search lists, and pull lists for programming onto memory card. Must provide a means for updating the software on the portable handheld reader.</i></p> <p>Features: Lightweight handheld; performs Stock-checking, Re-shelving, and also locates specific items; sorting and monitoring of library material on shelf along with locating misplaced documents; data downloaded to PC. Cordless Portable Reader preferred, Identification for both Bar Code & HFRFID Tags.</p> <p><i>Certification: CE/EMC.</i></p> <p><i>Warranty: 3 year.</i></p>			
6.	<p><u>Self-Check-in / Checkout Counter:</u></p> <ul style="list-style-type: none"> • RFID enabled self-check in/out counter for patrons to perform check out/in functions. • Barcode reader • Long range RFID Reader and Antenna with multiple Read/Write facility. • Customizable Kiosk Shell to suit the library decor, • High Speed Thermal Kiosk Printer, LCD Touch Screen Monitor. • Monitor Should have the following features • Supplied Monitor provides 40% energy saving using LED technology • Anti-Glare • Lock Out for OSD (On Screen Display) and Power • MTBF – 50,000 Hrs. • Touch Screen Monitor carries 3 Yrs Standard Warranty From The Manufacturer • Branded Industrial Computer, small form factor without Hard disk drive and with Solid State Disk Drive. • The Self-Checkout station client software should interface with Library Software giving features like, check out / Check in / Renewal, Transaction Printout. Provision for display of Institute Name. • The design should be Wheel Chair compliant so that patrons on Wheel Chair are able to use the self-check without problems. Preferable to meet Section 2.2.7. Accessibility of the Voting Systems Standards Volume I – Performance Standards, April 2002 of the Federal Election Commission of the United States of America with regard to self-check-in/-out of library customers in a wheel chair. 			
7.	<p><u>SIP2 Protocol for KOHA</u></p>			
8.	<p><u>Job Work</u></p> <p>Tagging: Related to encoding of data (Accession No; Classification No; Location ID; etc) from “KOHA” software and fixing of tags to the documents & re-shelving them with proper flagging on “KOHA” Open Source Library Management Software</p> <p>Hands-on-training (On-site) with Manuals/Guide:</p> <ul style="list-style-type: none"> • Comprehensive in-house operational training for all equipment’s and front end interface • Training for Handling of RFID Tagging on documents and printing of Smart ID Cards • Troubleshooting training • Complete write-up/manual/guide for operation and handling of all RFID equipment’s • Training to be given to all Library Staff & Library users <p>Plastic Membership Barcode Card with printing: Printing of logo and photograph with demographic details</p>			

General Qualifications:

- All RFID Equipment (Tags, Readers, Software & Gates) should be from One RFID Manufacture. To ensure compatibility provide certificate from OEM.
- RFID vendor should have local technical and service support in Mumbai
- RFID vendor must have minimum 3 live sites where proposed RFID System integration with KOHA Library Management Software is in operation at least for last 2 years. Provide certificates from sites.
- *The RFID equipment should support both protocols like SIP2 and NCIP. The Bidder will be fully responsible for standard integration using SIP2 and NCIP protocol with LMS and the performance of all components of the RFID equipment and materials being supplied and installed and any*
- *Malfunction/defective materials should be replaced free of cost during the warranty period.*
- *All the required electrical and installation of related ICT tools work for installation of Koha and Radio Frequency Identification (RFID) system has to be borne by the tenderer.*
- *If any middle ware is used to connect the RFID system to Koha, this should be user installable and configurable. This would need to be demonstrated and training should be imparted for the same. The middle ware should not modify the Koha database. Any up-gradation of Koha should not require any changes in the Middle ware and Library should be free to update its Koha as and when upgrades are available without any effect on RFID.*
- *It should be possible to install the software/middleware for tagging on any number of computers or laptops. The tagging process should be independent and we should be able to install the software on laptop/s to take the RFID station and laptop to stack area for ease of tagging.*
- *The Institute may at its discretion ask for a demonstration at the Prof M S Swaminathan Library of the crucial equipment's like a) Security Gates and b) Self check out / in counter etc. The Firm should agree for this demonstration at their cost.*
- *Bidders are required to provide minimum 2 working sites details wherein the same make and model of offered equipment's have been supplied. The institute shall inspect these sites before opening of financial bids.*

Prices should be quoted in tabular form only (Details as given above): on Turnkey Basis

Sl. no.	Item	UNIT COST			QTY	Total Cost (All Inclusive)
		Basic Cost	Taxes/Levies/ Octroi, etc. (Please specify)	Total Unit Cost		
1	RFID Tags for Books				50000	
2	RFID Smart Card System a) RFID Smart Card b) Smart Card Reader				500 1 1	
3	Multi-Purpose RFID Staff Station				1	
4	Library Security Gate (One Channel) with EAS Gates				1	
5	Shelf Management System/Portable Hand held Reader				1	
6	RFID Server Layer for integration with RFID Devices with existing KOHA LMS using NCIP V2.0				1	
7	Job Work: complete installation and successful implementation (Fixing Tags Registering Accn. No. on Tags & shielding with Logo), Hands-on-training with manuals/guide				50000	
8	3 years warranty and onsite maintenance				1	
9	10000 SMS PACK				1	
	Total					

**Name & Signature of Bidder
Date**