

**NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL**

DEPARTMENT OF CENTRAL LIBRARY  
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Phone: (0824) 2474000.  
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Fax: (0824) 2474033  
Website: http://www.nitk.ac.in

**TENDER DOCUMENT**

Tender Notification No: NITK/Lib/OL/RFID/2019-20/4

Date: 18.03.2020

Name of Goods: Supply & Installation of RFID based Library Automation and Management System for Central Library

Estimated amount put to Tender : ₹ 46,00,000.00 (Including GST)

EMD Amount (2% of estimated amount) : ₹ 92,000.00

Time for Supply of item : 60 days

Date for Request of tender document : April 14, 2020 at 3:00 pm

Date & Venue of Pre-Bid Meeting : April 7, 2020 at 3.30pm. in CCMT Hall, NITK Surathkal

End date for submission of e-tender : April 14, 2020 at 4:00 pm

Address for Submission of Tender : <https://mhrd.euniwizarde.com>

Opening date of technical bid : April 17, 2020 at 3.30 pm

Contact Details of Buyer :

**Dr. Mallikarjun Angadi**  
**Librarian, Central Library**  
**National Institute of Technology Karnataka, Surathkal**  
**PO Srinivasanagar, MANGALORE 575 025**  
**Ph: 0824-247 3061 / 4062, e-Mail: mallikarjun@nitk.edu.in**



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL  
POST SRINIVASNAGAR, MANGALURU – 575 025  
(An Autonomous Body of the Ministry of HRD, Govt. of India)



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Website: <http://www.nitk.ac.in>

Tender Notification No: NITK/Lib/OL/RFID/2019-20/4

Date: 18.03.2020

**NOTICE INVITING e-TENDER (e-NIT)**

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an autonomous institute under Ministry of HRD Govt of India imparting Technical Education and engaged in Research Activities. It is proposed to procure equipment for Central Research Facility.

Online Tender (<https://mhrd.euniwizarde.com/>) is invited for the supply of “**RFID Security System for Library**” as per specifications given in the **Annexure-I** to the Tender form in two cover system (i.e., Technical bid and financial bid) subject to the following terms and conditions, from the reputed OEM manufacturers or it's authorized dealers so as to reach this office on or before scheduled date and time. The tender (Technical bid) will be opened online on the due date as mentioned. Bidders can verify their bid status through online portal <https://mhrd.euniwizarde.com/>. The financial bid of only such bidders whose technical bid is accepted shall be opened on the same day or later pre-informed date.

1. Name of Goods : Supply & Installation of RFID based Library Automation and Management System for Central Library
2. Estimated Cost : ₹ 46,00,000.00 (Rupees Forty Six Lakhs)
3. E M D : ₹ 92,000.00 (Rupees Ninety Two Thousand Only)
4. Time for completion of Supply after Placing Purchase Order : 60 days
5. Last date & time for submission of Tender : April 14, 2020 before 4:00 pm
6. Tender to be submitted at the following address :

**Dr. Mallikarjun Angadi**  
**Librarian, Central Library**  
**National Institute of Technology Karnataka, Surathkal**  
**Srinivasanagar MANAGALORE 575 025**

**Ph: 0824-247 3061 / 4062**  
**e-Mail: mallikarjun@nitk.edu.in**

7. Place, Date and Time of opening of technical bid:

Date : April 17, 2020

Time : 3.30 pm

VENUE : Board Room/CCMT Room, Main Building, NITK Surathkal

Sd/-  
HOD

## SECTION 1 A:- PROCEDURE FOR SUBMISSION OF E-TENDER

The bidders are required to submit soft copies of their bid electronically on the e-Wizard Portal using valid Digital Signature Certificates. Below mentioned instructions are meant to guide the bidders for registration on the e-Wizard Portal, prepare their bids in accordance with the requirements and submit their bids online on the e-Wizard Portal. For more information bidders may visit the e-Wizard Portal <https://mhrd.euniwizarde.com>

### 1. REGISTRATION PROCESS ON ONLINE PORTAL

1. Bidders to enroll on the e-Procurement module of the portal <https://mhrd.euniwizarde.com> by clicking on the link “Bidder Enrolment” as per portal norms.
2. The bidders to choose a unique username and assign a password for their accounts. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the e-Wizard Portal.
3. Bidders to register upon enrolment their valid Digital Signature Certificate (DSC: Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India with their profile.
4. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse. Foreign bidders are advised to refer “DSC details for Foreign Bidders” for Digital Signature requirements on the portal.
5. Bidder then logs in to the site through the secured log-in by entering their user ID/password and the password of the DSC / e-Token.

### 2. TENDER DOCUMENTS SEARCH

1. Various built-in options are available in the e-Wizard Portal which is further synchronizing with CPP Portal to facilitate bidders to search active tenders by several parameters. These parameters include Tender ID, organization, location, date, value, etc.
2. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, a form of contract, location, date, other keywords, etc. to search for a tender published on the Online Portal.
3. Once the bidders have selected the tenders they are interested in, they may download the required documents/tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the Online Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
4. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification/help from the Helpdesk.

### 3. BID PREPARATION

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.

3. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that needs to be submitted. Any deviations from these may lead to rejection of the bid.
4. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/schedule and generally, they can be in PDF / XLS / PNG, etc. formats. Bid documents may be scanned with 100 dpi with black and white option.

#### 4. BID SUBMISSION

1. Bidder to log into the site well in advance for bid submission so that he/she uploads the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. Bidder to select the payment option as Online” to pay the tender fee/ EMD wherever applicable and enter details of the instrument.
4. A standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders to note that they should necessarily submit their financial bids in the prescribed format and no other format is acceptable.
5. The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, the opening of bids, etc. The bidders should follow this time during bid submission.
6. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data, which cannot be viewed by unauthorized persons until the time of bid opening.
7. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
8. Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
9. Kindly have all relevant documents in a single PDF file of compliance sheet.
10. The off-line tender shall not be accepted and no request in this regard will be entertained whatsoever.

#### 5. AMENDMENT OF BID DOCUMENT

At any time prior to the deadline for submission of proposals, the institutions reserve the right to add/modify/delete any portion of this document by the issuance of a Corrigendum, which would be published on the website and will also be made available to the all the Bidder who has been issued the tender document. The Corrigendum shall be binding on all bidders and will form part of the bid documents.

#### 6. ASSISTANCE TO BIDDERS

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to e-Wizard Portal, in general, may be directed to the 24x7 e-Wizard Helpdesk. The contact

number for the helpdesk is 011-49606060, 23710092, 23710091, Sanjeet Kumar Jha +91-8882495599, 9350530626, Gagan +91 8448288987, 8448288988 and Vijay +91 9113518121, 8448288989

## 7. INSTRUCTIONS TO THE BIDDERS

1. Process for Bid submission through MHRD portal is explained in Bidder Manual. Bidders are requested to download Bidder Manual from the home page of MHRD website (<https://mhrd.euniwizarde.com>). Steps are as follows ([Home page Downloads Bidder Manuals](#)). ⇒ ⇒
2. The tenders will be received online through portal <https://mhrd.euniwizarde.com>. In the Technical Bids, the bidders are required to upload all the documents in .pdf format.
3. Possession of Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/ e-Token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://mhrd.euniwizarde.com>. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available on the web site <https://mhrd.euniwizarde.com> under the link 'DSC help'.

Tenderers are advised to follow the instructions provided in the 'Instructions to the Tenderers for the e-Submission of the bids online through the e-Wizard Portal for e-Procurement at <https://mhrd.euniwizarde.com>.

4. The bidder has to "Request the tender" to MHRD portal before the "Date for Request tender document", to participate in bid submission.
8. All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.
9. Any order resulting from this e-tender shall be governed by the terms and conditions mentioned therein.
10. No deviation to the technical and commercial terms & conditions are allowed.
11. The tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of the bid(s).

## SECTION 1 B: INSTRUCTIONS TO BIDDER (ITB)

1. **The bid should be submitted in two cover system (sealed)-Technical Bid and Financial Bid**
2. **Technical Bid:** Documents related to the Technical Bid should be submitted in a sealed envelope and duly superscribed as “**Envelope No. 1 – Technical Bid**”. Full name and address of the bidder should be mentioned on the envelope and should be addressed to The Director, NITK, Surathkal
3. **The Technical Bid should contain the following documents:**
  - a) Compliance statement of specifications as per **Annexure-A**
  - b) License certificate for manufacture /supply of the item & Factory license
  - c) Agreements / Purchase Orders / Completion certificates if any, for similar items to other Universities, Institutes, and Government Department/Undertakings/Public sectors the details of such supplies for the preceding three years should be given together with the prices eventually or finally paid with contact details of persons as per **Annexure-B**
  - d) List of Owner/partners of the firm and their contact numbers (Bidder Information)
  - e) Declaration of abandoned or suspended any awarded service & Blacklist Certificate. **Annexure-C**
  - f) Copy of GST certificate & PAN No.
  - g) Catalog of the Product with detailed product specifications.
  - h) Undertaking that the successful BIDDER agrees to give a Performance Security amounting to 10% of the purchase order value in favor of “The Director, NITK Surathkal”.
  - i) The copy of the Balance sheet, Profit & Loss A/c., Trade or Manufacturing A/c for the last 3 years should be enclosed and the turnover must be 30% of the estimated cost.
  - j) Duly filled in checklist should be submitted along with the Technical Bid.
  - k) Contract form given in Section 5 need to be submitted.
  - l) EMD must be in the form of Bank Guarantee (**Annexure-G**) / Fixed Deposit Receipt / Demand Draft. It will be valid for 180 days from the date of opening of the tender. The firm registered with MSME/NSIC will be exempted from submission of EMD. Intended parties will have to give proof of registration along with their tender. EMD of the unsuccessful bidders shall be refunded without any interest at the earliest after finalization of the purchase of the concerned item.
    - i. The EMD will be returned to the BIDDERS(s) whose offer is not accepted by NITK within one month from the date of the placing of the purchase order(s) on the selected BIDDER(s).In case of the BIDDER(s) whose offer is accepted the EMD will be returned on submission of Performance Security in the form of Bank Guarantee (BG). However, if the return of EMD is delayed for any reason, no interest/penalty shall be payable to the BIDDERS.
    - ii. The successful BIDDER, on the award of contract/order, must send the contract/order acceptance in writing, within 15 days of award of contract/order failing which the EMD will be forfeited.

iii. The EMD shall be forfeited in case a successful BIDDER fails to furnish the Performance Security.

4. **Financial bid:** The bidders should submit their financial bid as per the format is given in Section 4 of the Notice Inviting Tender in the sealed envelope. This envelope should be duly superscribed as “**Envelope No. 2 – Financial bid**”. Full name and address of the bidder should also be mentioned on the envelope and should be addressed to The Director, NITK, Surathkal.

After evaluation of technical bid, the technically successful bidder shall be intimated to witness the opening of their financial bid along with date, time and venue through e-mail. Financial bid of only those bidders’ will be opened who are declared “Technically Successful or Technically Responsive”.

**Note that both the sealed envelopes, No. 1 and 2, should be submitted in a single sealed envelope duly superscribed with the following details.**

**(i) Tender Notification Number                      (ii) “Tender for the supply of.....”                      (iii) Not to Open before (Date and Time)**

**Mention “Kind Attention: Contact Person’s Name and Phone Number”, and submit at the address given in the Notice Inviting Tender.**

#### **5. Bid Evaluation:**

On the due date, the Technical bids will be opened and referred to the Purchase Committee which is duly constituted by the Director, NITK. The committee will go through the technical aspects of the tender and recommend shortlisted firms. The recommendation of the committee is final and binding on all the parties. The committee may visit the manufacturing site to assess the capabilities to manufacture the tendered items as per the specifications. In case of any remarks /default noted, the EMD will be forfeited even if pre-qualified.

#### **6. Quoting of Price(s):**

- a. Indian bidder should quote firm prices in Indian rupee only unless otherwise specified elsewhere in this tender. Prices quoted in any other currency shall not be considered.
- b. In case of Global Tender, Price quoted should be in Indian Rupees /US Dollar / Euro / Pound Sterling / Yen or in a currency under Reserve Bank of India’s notified basket of currencies and must include delivery at NITK, Surathkal including loading/unloading.
- c. For the purpose of price evaluation, if the bid is submitted in Foreign Currency, then the bid price shall be converted to Indian Rupees as per the RBI Exchange Rate prevailing on the day of opening of the price bid.

7. The Bid will be accepted only from the manufacturers (OEM) or its authorized supplier.

8. The incomplete or conditional tender will be rejected.



9. The Institute reserves the right to cancel at any time after acceptance of the tender with a notice. The Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which might have derived from the execution of the supply.
10. **Performance Security** The successful bidder shall deposit a performance security of 10% of the quoted price in the form of Bank Guarantee (ANNEXURE -G) / Demand Draft / Fixed Deposit Receipt of any scheduled bank drawn in favour of the Director, NITK Surathkal, Mangalore payable at Mangalore. In case the bidder fails to deposit the said performance Security within the stipulated period, including the extended period if any, the Earnest Money deposited by the bidder shall be forfeited automatically without any notice. Please note the following points:
- a) Successful bidder should submit performance Security as prescribed above to the Purchase Section, NITK Surathkal, on or before 30 days from the date of issue of order acknowledgment.
  - b) Performance Security shall be for the due and faithful performance of the contract and shall remain binding, notwithstanding such variations, alterations for extensions of time as may be made, given, conceded or agreed to between the successful bidder and the purchaser under the terms and conditions of acceptance to tender.
  - c) The successful bidder is entirely responsible for the due performance of the contract in all respects according to the terms and conditions of the tender.
  - d) The validity of the Performance Security must cover the warranty period plus two months.
  - e) In case of imported goods, the Indian agent has to furnish Performance Bank Guarantee in Indian Rupees only from Scheduled Bank.
11. **The validity of bids:** The rate quoted should be valid for a minimum of 180 days. No claim for escalation of the rate will be considered after opening the Tender.
12. **Warranty / Guarantee & On-site skill support:** On-site comprehensive warranty will be effective from the date of successful installation and commissioning. The OEMs/Authorized Distributors and Dealers must attach a certificate of sales and service facilities, escalation support for on-call service or station engineer etc.
13. **Imports:** In case, equipment is to be imported, the Indian agent should furnish authorization certificate by the principles abroad for submission of the bid in response to this Notice Inviting Tender.
14. **Clarification of Tender Document:** A prospective bidder requiring any clarification of the Tender Document may communicate to the contact person given in this notice inviting tender. The contact person will respond to any request for clarification for the Tender Document received not later than 5 working days prior to the last date for the receipt of bids.
15. **Amendment of Tender document:** At any time prior to the last date for receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification

requested by a prospective bidder, modify the Tender document by an amendment. Further, Institute may at its own discretion extend the last date for the receipt of bids.

16. The bids shall be written in English language and any information printed in another language shall be accompanied by an English translation, in which case for the purpose of interpretation of the bid, the English translation shall govern.
17. The Institute reserves the right of accepting any bid other than the lowest or even rejecting all the bids. The decision of the Purchase Committee is final in all matters of tender and purchase.
18. **Cancellation of Tender:**  
Notwithstanding anything specified in this tender document, NITK Surathkal in its sole discretion, unconditionally and without having to assign any reasons, reserves the rights:
  - a. To accept OR reject lowest tender or any other tender or all the tenders.
  - b. To accept any tender in full or in part.
  - c. To reject the tender offer not conforming to the terms of the tender.
  - d. To give purchase preference to Public Sector undertakings when applicable as per Govt. Policy/ Guidelines.
19. **Delivery Period:** The Delivery Period/Time shall be deemed to be the essence of the Contract and delivery must be completed not later than such date(s). If the Supplier does not perform its obligations within the Delivery Period/Date mentioned in the Contract, the same would constitute the breach of the Contract and the Institute shall have the right to cancel or withdraw the Contract for the unsupplied portion after the expiry of the original or extended delivery date or period stipulated in the Contract. Such cancellation of contract on account of non -performance by the Supplier would entitle the Buyer to forfeit the EMD / Performance Security besides other actions such as debarment from the Institute as per GFR 2017.
20. **Liquidated Damages:** Timely delivery is the essence of contract and hence if the Supplier fails to deliver Goods within the original/extended delivery period(s) specified in the contract, the Institute will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 1% per week or part of the week of delayed period as pre-estimated damages not exceeding 5% of the contract value without any controversy/dispute of any sort whatsoever.
21. **Terms of Payment:**
  - a) Payment within 30 days from the date of delivery and & Acceptance Certificate of concerned Department / Section / Purchase Section.
  - b) Payment shall be made by Cheque or such other mode / electronic fund transfer offered by the Bank. NITK, Surathkal will not pay advance payment to the party. Any request for Advance payment will be rejected summarily. In case if it is necessary, the advance payment will be paid strictly against Bank Guarantee only.

- c) Payment will be made by Standard Payment terms and conditions of NITK, Surathkal as per tender document only. Any request for a change in payment terms and conditions will not be accepted.
  - d) If the above conditions are not acceptable then tender will be rejected.
6. Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bid as to the nature of the installation site, the means of access to the site and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the installation to be done and local conditions and other factors having a bearing on the execution of the bid.
  7. If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the bidder.
  8. The rate quoted by the bidder shall be firm throughout the contract period and there shall be no revision of the rates for any reasons whatsoever. It should be clearly understood that any claim for changes will not be entertained in any case once the bids are opened.
  9. One bid per bidder: Each bidder shall submit only one bid either by himself or by representing a firm.
  10. Cost of bid: The bidder shall bear all costs associated with the preparation and submission of his bid. The Institute in no case shall be responsible or liable for those costs.
  11. The bidder shall not make or cause for any alteration, erasure or obliteration to the text of the tender document.
  12. The Institute will declare a bidder ineligible, either indefinitely or for a specified period of time, at the sole discretion of the Institute, for the award of contract/ participating in any other tender, if at any time the Institute determines that he has furnished false information/ engaged in corrupt or fraudulent practices.
  13. If any overpayment is detected as a result of the post-payment audit, it shall be recovered by the Institute from the Supplier out of his Performance Security.
  14. **Determination of successful bidder:** The technically qualified bidder whose offer is evaluated as the lowest total bid shall be the successful bidder subject to its meeting the statutory requirements.

15. **Price variation:** The rate quoted by the bidder shall be firm throughout the contract period. No price variation clause is applicable to this contract.
16. **CANVASSING:**
- a. Canvassing in connection with tenders is strictly prohibited and the Tenders submitted by the Tenderers who resort to canvassing shall be liable to rejection.
  - b. Subject to the provisions concerning clarification of Bids, no Bidder shall contact the purchase committee on any matter relating to its bid from the time of the bid opening up to the time that the contract is awarded.
  - c. Any effort by the Bidder or Bidder's representative however described to influence the purchase committee in any way concerning scrutiny, consideration, evaluation of the Bid(s) or decision concerning award of a contract shall entail rejection of Bid and action against the bidder as deemed fit.
  - d. The purchase committee will deal with the Bidder on a Principal basis, without involvement in any manner in India or abroad of any agent or consultant or associate or other person howsoever described.
17. **LATE BIDS:**
- a) Any bid received on or before specified time and date (including any extension(s) thereof) will be accepted and late submission of the bids will be declared as "Late" and shall be rejected.
  - b) Unopened "Late Bid" shall be returned to the bidder in due course.
18. **Legal Matter:** All Domestic and International disputes are subject to Mangalore Jurisdiction only.
19. **Pre-Bid Conference:**
- a) All prospective bidders requested to kindly send their queries to the E-Mail ID [mallikarjun@nitk.edu.in](mailto:mallikarjun@nitk.edu.in) On or before **31<sup>st</sup> March, 2020 at 4.00pm.**
  - b) A Pre-bid Conference shall be held as indicated in Invitation to Bid. All prospective bidders are requested to kindly attend the Pre-bid Conference.
  - c) NITK shall answer the queries during the pre-bid conference, which would become a part of the proceedings of the Pre-bid Conference. These proceedings will in turn become a part of clarifications/amendments to the bidding documents and would become binding on all the prospective bidders. These proceedings would also be hosted on NITK website [www.nitk.ac.in](http://www.nitk.ac.in) for the benefit of all prospective bidders. Before formulating and submitting their bids, all prospective bidders are advised to surf through the NITK website after the Pre-bid Conference, in order to enable them to take cognizance of the changes made in the bidding document.
  - d) Any Statement made at the pre-bid conference shall not modify the terms of the bidding documents unless such statement is made part of clarification in the proceeding of Pre-Bid Conference.

## SELECTION CRITERIA FOR TECHNICAL BID

1. Only Original Equipment Manufacturers (OEMs) or their sole authorized distributor / agent are eligible to bid. Authorization letter in the prescribed format (**Annexure – II**) from Original Equipment Manufacturer (OEM) in favour of authorized Agent to bid / negotiate / conclude the order against this tender, must be enclosed with technical bid.
2. The OEM should be in the RFID based library automation field for at least 15 years. (Letter of incorporation should be furnished)
3. The OEM should have at least 400 library RFID installations across the world. (List to be attached along with Technical Bid)
4. OEM should be ISO certified (OEM ISO certificate copy to be shared).
5. OEM should give an undertaking that all supplied equipment including tags are manufactured by the same OEM. (OEM undertaking for single manufacturer of equipment).
6. The OEM/ authorized distributor / agent must have successfully completed at least 2 similar orders with the order value of minimum Rs. 35 lakhs or equivalent in foreign currency in the Higher Educational Institutions (HEIs) during last 3 years. Copy of Purchase Orders must be attached with Technical Bid.
7. Financial Stability: (OEM turnover statements for last three year (2016-17, 2017-18 and 2018-19 be furnished)
  1. International OEM: At least US\$ 20 million per year for last three years. **OR**
  2. Domestic OEM: Minimum Rs. 12 Crores per year for the last 3 years.
8. The tenderer should not have been debarred or blacklisted by any Central / State Government Departments of India. An affidavit to that effect on Non-Judicial stamp paper of Rs. 100/- duly notarized must be enclosed with the technical bid in prescribed format. The proforma of the affidavit is attached with the tender as **Annexure – III**.
9. OEM or authorized distributor / agent must have a Service Centre in India (Provide copies of telephone bill / Electricity bill.)
10. Any breakdown/service issue is to be sorted out within 48 hours. In case of delay beyond 48 hours, warranty period will be proportionally extended.
11. Experience of RFID integration with Koha: Central Library of NITK uses Koha Library Management System. Bidder must have at least 3 customers where they have handled Koha integration using SIP2. (Bidder to provide contact details of customers for verification **Annexure – IV**.)
12. No Middleware Compliance: The central library uses Koha Library Management System.

- Bidder must furnish an undertaking on their letter head that they will not use any middleware to integrate with Koha LMS.
  - Bidder must furnish an undertaking on their letter head that they will integrate with Koha using SIP2 protocol only.
13. The bidder must have a trained professional on RFID technology (Undertaking for trained support professional from OEM to be submitted).
  14. Authorised Partner's resellers cannot participate and no consortium is allowed.
  15. The Authorised partner should bid for entire project. No partial bidding is allowed.
  16. All the RFID components chosen for complete solution must conform to ISO 15693, ISO 18000-3 Mode 1.
  17. Analytical Reporting Software: The OEM should provide an administration software to remotely monitor, report and configure the RFID devices such as security gate and self-service kiosk and accessible from any computer with internet access.
    - Key Features:
      - The system should be able to receive alerts and error messages from devices via email. For e.g. the kiosk's printer running out of paper.
      - The system should enable library staff to look at the current status of devices and their main components and make diagnostics.
      - The system should provide statistics of utilization such as transactions per time unit, whereby the time intervals can be set. The statistics can be exported into various standard formats (PDF, Word, Excel, HTML, Text, XML).
      - The system should give the options to the library staff of whether or not to upgrade RFID device software
      - The system should give the feature of combining statistical information from many devices to provide a holistic view of patron interactions with devices within the library.
  18. The bidder also needs to submit the quote for comprehensive AMC for 2 years after the initial 5 year onsite warranty. AMC for two years after warranty period needs to be quoted. L1 will be calculated considering AMC period. Payment for AMC will be done at the respective time.

## **EVALUATION CRITERIA FOR TECHNICAL BID**

The evaluation criteria will be as given below:

1. Evaluation of technical bid as per eligibility criteria and technical specification mentioned in tender along with supporting documents.
2. Even though any bidder may satisfy the above requirements, he/she would be liable to disqualification if he/she has:
  - Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the eligibility criteria document.
  - Record of poor performance such as abandoning work, not properly completing the contract, or financial failures/weaknesses etc.

**DECLARATION**

I/we have not tampered/modified the tender forms in any manner. In case, if the same is found to be tampered/modified, I /we understand that my/our tender will be summarily rejected and full Earnest money deposit will be forfeited and I /we are/are liable to be banned from doing business with NITK, Surathkal and/or prosecuted.

Signature of the Bidder : \_\_\_\_\_

Name and Designation : \_\_\_\_\_

Business Address : \_\_\_\_\_  
\_\_\_\_\_

Place:

Seal of the Bidder's

Firm

Date:



## SECTION 2: CONDITIONS OF CONTRACT

- e) In the case of the domestic supplier, the rate should be quoted on FOB basis (Door Delivery).
- f) In the case of import, either CIF or FOB (foreign currencies) rate should be quoted. All components of expenditure to arrive at Bangalore need to be explicitly specified.
- g) The bidder shall indicate the excise duty exemption for the goods if applicable.
- h) The rates should be quoted for preferably FOR destination from supply within India.
- i) The institute is eligible for customs duty & GST exemption (for research related Procurement of Goods) & In the case of import, there will be no GST.
- j) The rate quoted should be on a unit basis. Taxes and other charges should be quoted separately, duly considering exemptions if any.
- k) Rate quoted should be inclusive of Testing, commissioning and installation of equipment and Training.
- l) Payment: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by the supplier. In the case of Imports, the payment will be made through LC / Sight Draft / After Installation, and performance security need to be submitted at the time of LC commitment/issue of sight draft.
- m) Guarantee and Warranty period should be specified for the complete period conforming to section 3 of this tender document.
- n) The period required for the supply and installation of the item should be specified conforming to section 3 of this tender document.
- o) In case of dispute, the matter will be subject to Mangalore Jurisdiction only.

### **SECTION 3: SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS**

[To be filled up by the Department / Center of NITK, Surathkal]

Item(s) Name to be procured : Supply & Installation of RFID based Library Automation and Management System for Central Library

Type (Equipment / Software / Furniture / Others) : Equipments

Brief Specifications of the Item(s) : As per Annexure-I  
(Attach Additional Sheet if necessary)

Quantity : As per Annexure-I

Any other details / requirement :

Warranty Period required : 5 years Onsite Warranty

Delivery Schedule expected after release of Purchase order (In Weeks) : 8 weeks

EMD (in Rupees) : Rs. 92,000/-

Performance Security to be given by Successful Bidder after release of Purchase Order (in Rupees) : 10% of PO value

**SECTION 4 - PRICE BID (Draft format for indigenous Supplies)**  
**[ To be used by the bidder for submission of the bid]**

Reference Number:

Date:

Sr. No.	Description of the Item and Specification	Qty. in Units	Unit Price (Rs.)	Discount %	GST (%)	Other charges if any (please specify details)	Total Price (Rs.)
1							
2							

1. Delivery Mode: Delivery at NITK Surathkal, at the site only.

Total Bid Price in the above column should be inclusive of all taxes and levies transport, loading, unloading, etc.

Delivery Period:..... days.

Validity Date: Minimum 90 days from the date of submission of Tender/Tender.

2. Payment Term: Payment within 30 days from the date submission of bill Acceptance Certificate to concerned Dept./ Sect.

PAN No. : .....

GST Registration No. : .....

Seal and Signature:.....

Name & Business Address:.....

Note: Price Bid should be submitted in given format only.

Place:

Date:

**SECTION 4 - PRICE BID (Draft format for Imported Supplies)**  
**[ To be used by the bidder for submission of the bid]**

Reference Number:

Date:

S. No.	Description of Items & Specifications	HSN/SAC Code	Quantity in Units	IGST %	Price basis (CIF)	Total Bid Price
1						
2						
	Installation and Commissioning Charges (if any, quote in INR)					
	Bidder Commission (if any quote in %)					
	Other Charges (please specify details)					
Grand Total						

# HSN Code: Harmonised System of Nomenclature Code no. and # SAC Code: Service Accounting Code no.

1. Delivery Period:..... days.
2. Validity Date: Minimum 90 days from the date of submission of Tender.
3. The validity of the bid: 90 days from the date of submission of the Tender or Tender.
4. Mode of Shipment: \_\_\_\_\_
5. Port of Shipment: \_\_\_\_\_

Place:

Date:

**SECTION 5: CONTRACT FORM**

[To be provided by the bidder in the business letter head]

1. (Name of the Supplier's Firm) hereby abide to deliver them by the delivery schedule mentioned in section 3 tender document for the supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in the tender document without any defect and deviations.
3. Warranty will be given for the period mentioned in the tender document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

Signature of the Bidder : \_\_\_\_\_

Name and Designation : \_\_\_\_\_

Business Address : \_\_\_\_\_

\_\_\_\_\_

Place:

Seal of the Bidder's Firm

Date:



**Previous Supply Orders Executed**

**Name of the firm:** \_\_\_\_\_

<b>Order placed by [Full address of the purchaser]</b>	<b>Order No. and Date</b>	<b>Order Value</b>	<b>Specified Delivery Date</b>	<b>Actual Delivery Date</b>	<b>Remarks indicating reasons for late delivery, if any and justification for the price difference of their supply order and those quoted to us</b>	<b>Has the equipment been installed satisfactorily?</b>	<b>Contact person along with telephone, mobile number, fax, and E-mail address</b>

**Signature and Seal of the Bidder**

**FORMAT OF DECLARATION**  
**(To be submitted on Letterhead)**

I / we Mr./Ms. \_\_\_\_\_, S/o/ of Mr. \_\_\_\_\_ aged about \_\_\_\_\_ years, resident of \_\_\_\_\_, working as -----(designation) for ----- (name and address of the bidding agency).

I solemnly affirm and state as under:

12. That I am working as ----- /proprietor of the ----- (name of the firm) and authorized to sign this declaration.
13. That the firm M/s---- (complete address of the firm) has not abandoned or suspended any contract work of any organization/ department so far/ during the previous five financial years.
14. That the firm M/s---- (complete address of the firm) has not been blacklisted/ debarred for competing in tenders by any organization/ department so far/ during the previous five financial years.
15. I solemnly confirm that the facts stated above are true and nothing has been concealed.

**Seal and Signature of Bidder**



**Format for Bank Account details of the bidder**

Name of the account holder (bidder)	
Complete address	
Contact number	
Email address	

**Bank Account details:**

Bank name	
Branch name	
MICR number	
Account type	
Account Number	
Please re-type Account number again	
IFSC code of the Bank	

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold the Institute responsible for this.

I have read the option invitation letter and agree to discharge responsibility expected of me as a participant under the scheme.

Seal and signature of the bidder.

**Certification from the banker:**

Certified that the particulars furnished above are correct as per our records.

**Seal and signature of the authorized officer of the bank.**

BANK GUARANTEE FORMAT FOR PERFORMANCE GUARANTEE BOND

(To be typed on Non-judicial stamp paper of the value of Indian Rupees of One Hundred) (TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT MANGALORE OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT MANGALORE OR ANY SCHEDULED BANK (OTHER THAN NATIONALISED BANK) SITUATED AT MANGALORE. BONDS ISSUED BY CO-OPERATIVE BANKS ARE NOT ACCEPTED.)

To,

Registrar,  
National Institute of Technology Karnataka,  
Srinivasnagar P.O., Surathkal  
Mangalore – 575025

LETTER OF GUARANTEE

WHEREAS National Institute of Technology Karnataka (Buyer) has invited Tenders vide Tender

No..... Dt. .... for purchase of .....

AND WHEREAS the said tender document requires that any eligible successful tenderer (seller) wishing to supply the equipment / machinery, etc. in response thereto shall establish an irrevocable Performance Guarantee Bond in favour of “Registrar, National Institute of Technology Karnataka, Surathkal” in the form of Bank Guarantee for Rs ..... (10% (ten percent) of the purchase value) and valid till one year or up to warranty period whichever is later from the date of issue of Performance Guarantee Bond may be submitted within 30 (Thirty) days from the date of Order Acknowledgement as a successful bidder.

NOW THIS BANK HEREBY GUARANTEES that in the event of the said tenderer (seller) failing to abide by any of the conditions referred in tender document / purchase order / performance of the equipment / machinery, etc. this Bank shall pay to National Institute of Technology Karnataka, Surathkal on demand and without protest or demur Rs ..... (Rupees.....).

This Bank further agrees that the decision of National Institute of Technology Karnataka, Surathkal (Buyer) as to whether the said Tenderer (Seller) has committed a breach of any of the conditions referred in the tender document/purchase order shall be final and binding.

We, ..... (name of the Bank & branch) hereby further agree that the Guarantee herein contained shall not be affected by any change in the constitution of the Tenderer (Seller) and/ or National Institute of Technology Karnataka, Surathkal (Buyer).

Notwithstanding anything contained herein:

1. Our liability under this Bank Guarantee shall not exceed Rs. .... (Indian Rupees ..... only).
2. This Bank Guarantee shall be valid up to .....(date) and
3. We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if National Institute of Technology Karnataka (NITK) Surathkal serve upon us a written claim or demand on or before.....(date).

This Bank further agrees that the claims if any, against this Bank Guarantee, shall be enforceable at our branch office at ..... situated at ..... (Address of local branch).

Yours truly,

Signature and seal of the guarantor:

Name of Bank & Address:

Date:

Instruction to Bank: Bank should note that on expiry of Bond Period, the Original Bond will not be returned to the Bank. The bank is requested to take appropriate necessary action on or after expiry of bond period.

BANK GUARANTEE FORMAT FOR EARNEST MONEY DEPOSIT / BID BOND

(To be typed on Non-judicial stamp paper of value Indian Rupees One Hundred)

(TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT MANGALORE OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT MANGALORE OR ANY SCHEDULED BANK (OTHER THAN NATIONALISED BANK) SITUATED AT MANGALORE. BONDS ISSUED BY CO-OPERATIVE BANKS ARE NOT ACCEPTED)

LETTER OF GUARANTEE

To

Registrar,  
National Institute of Technology Karnataka,  
Srinivasnagar P.O., Surathkal  
Mangalore – 575025

IN ACCORDANCE WITH YOUR TENDER for the supply of ....., M/s.

.....  
(hereinafter called the “Bidder”) having its Registered Office at , wish to participate in the said bid for the supply as an irrevocable Bank Guarantee against Earnest Money Deposit for an amount of Rs. .... (Rupees.....) valid up to (180 days from the date of issue of Bank Guarantee), is required to be submitted by the bidder as a condition precedent for participating in the said bid, which amount is liable to be forfeited by the Purchaser on (1) the withdrawal or revision of the offer by the bidder within the validity period, (2) Non acceptance of the Letter of Indent / Purchase order by the Bidder when issued within the validity period, (3) failure to execute the contract as per contractual terms and condition within the contractual delivery period and (4) on the happening of any contingencies mentioned in the bid documents.

During the validity of this Bank Guarantee:

We, .....(Bank name) having the registered Office at guarantee and undertake to pay immediately on first demand by NITK Surathkal, an amount of Rs..... (Rupees. ) Without any reservation, protest, demur and recourse. Any such demand made by the NITK Surathkal shall be conclusive and recourse. Any such demand made by the purchaser shall be binding on the Bank irrespective of any dispute or difference raised by the Bidder.

The Guarantee shall be irrevocable and shall remain valid up to (180 days from the date of issue of Bank Guarantee) If any further extension is required, the same shall be extended to such required period on receiving instruction from the Bidder, on whose behalf the is Guarantee is issued.

Notwithstanding anything contained herein:

\* Our liability under this Bank Guarantee shall not exceed Rs.....  
(Rupees.....).

\* This Bank Guarantee shall be valid up to (date).

\* We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee Only and only if you serve upon us a written claim or before (date).

This Bank further agrees that the claims if any, against this Bank Guarantee shall be enforceable at our branch office at ..... situated at (Address of local branch).

Yours truly,

Signature and seal of the guarantor: Name of Bank:

Address:

Date:

Instruction to Bank: Bank should note that on expiry of Bond Period, the Original Bond will not be returned to the Bank. The bank is requested to take appropriate necessary action on or after expiry of bond period

## Annexure-I

### Detailed Technical Specifications

Sl. No.	Items	Specification	Qty
1.	RFID Book Tags	<ol style="list-style-type: none"> <li>1. Dimension: Not more than 81mm x 49mm (L x W)</li> <li>2. Operating Frequency: 13.56MHz</li> <li>3. Memory: 2.5k bits</li> <li>4. Thickness: Not more than 0.4 mm</li> <li>5. Retention life: 50 years or 1,00,000 read/write operations</li> <li>6. Integrated Chip: must comply to ISO 15693, ISO 18000-3 Mode 1, with inbuilt Aluminum antenna</li> <li>7. Integrated Circuit: NXP ICode SLIX2. The thickness of the IC in the tags should not exceed 127 µm.</li> <li>8. Should have minimum delivery yield of 97%</li> <li>9. All the RFID labels should have undergone accelerated aging test at 85°C and at 85% humidity for 15 weeks which includes performance testing.</li> <li>10. Watermark: The OEM name should appear as a watermark on the RFID labels. This will be considered as a proof that RFID Book Labels are from single manufacturer.</li> <li>11. The proposed system tags must use a Neutral pH Radiation Cured UV Acrylic adhesive.</li> </ol>	100000
2.	RFID Staff Stations	<ol style="list-style-type: none"> <li>1. Model: Flatbed type. Should be aesthetically designed using Plexiglas with antenna and reader separately.</li> <li>2. Dimension and Weight: not more than 350 mm x 280 mm x 15 mm (w x d x h) and should not be more than 1.5 Kgs</li> <li>3. Focused Reading Area: The staff station's antenna should provide a focused reading area.</li> <li>4. Reading Range: It should read multiple items of mixed media up to a height of 25cm</li> <li>5. Connectivity: The staff station should support plug and play and connect to the Library PC via USB.</li> <li>6. Power Requirements: It should connect to an external power supply (240V ac / 50 Hz).</li> <li>7. Standards Compliance: The staff station should adhere to ISO 28560 standard</li> <li>8. International Certification: The staff station should comply to CE/FCC/EMC</li> <li>9. OEM Software for Circulation &amp; Tagging:               <ol style="list-style-type: none"> <li>a. The OEM should provide a circulation and</li> </ol> </li> </ol>	3

tagging software at no additional charges. The software should be installed and configured in multiple Desktop's/Laptop's without any additional charges.

- b. The OEM Software should support the circulation of Reference Materials without deactivating the security of the RFID tag. If a reference item issued to a patron is taken out from the library, the RFID tag should be detected by the security gate. The security gate should then alert the library staff via audio and visual alarm.
- c. The software should be compatible with Microsoft Windows 8 and 10 (32/64 bit).

10. Key Functions of Tagging Software:

- a. It should allow library staff to program the accession number on the RFID label.
- b. It should also allow to write multiple values in RFID Book Labels i.e. Title, Author, Category, etc.
- c. It should allow to do tagging in sets/part.
- d. It should support up to 30 different data models. Bidder should provide the list of supported data models.
- e. It should support multiple read/write operations.
- f. It should support permanent disabling of a RFID label.
- g. It should allow to write custom data encoding/AFI value which Institute wants to keep for the different libraries.
- h. It should allow institute to encrypt the data which is written, so other libraries cannot read.
- i. It should maintain a log with time stamp of all items that were programmed.
- j. During tagging process, if the bar code input does not match a particular length (due to scanner or user error) then the OEM software should issue a warning via popup message to prevent programming of the tag with a potentially bad value.

11. Key Functions of Circulation Software:

- a. It should support check-in and check-out of items.
- b. It should send item details directly on the

		<p>LMS.</p> <ul style="list-style-type: none"> <li>c. It should have provision to add or remove item security without involving the LMS</li> <li>d. It should support “hot Key” feature; i.e. the staff should be able to use the F-keystroke to change the system from check-out to check-in module.</li> <li>e. It should have the option to send the programmed data in a RFID tag to different applications such as word/excel/notepad without changing/modifying the security status of the RFID Books Labels.</li> </ul> <p>12. Compatibility: The staff station should work with the Library’s Barcode and Mifare smartcard readers and thermal receipt printers.</p>	
3.	Handheld Reader	<ul style="list-style-type: none"> <li>A. Hand held unit: <ul style="list-style-type: none"> <li>a. Should be cordless and light weight (including battery)</li> <li>b. Dimension (w x d x h): 240mm x 180mm x 100mm</li> <li>c. Screen: color touch screen with stylus</li> </ul> </li> <li>B. Antenna unit: <ul style="list-style-type: none"> <li>a. Dimension (w x d x h): 240mm x 100mm x 12.5mm</li> <li>b. The antenna should swivel, as it should effectively scan the books as it is moved along the shelf edge.</li> <li>c. Should read RFID book labels</li> <li>d. Should at least scan 50 items per minute</li> <li>e. Proximity: The effective read range should be in the range of 10-25 cm</li> <li>f. Should comply with ISO 15693, ISO 18000-3-A</li> </ul> </li> <li>C. Software: <ul style="list-style-type: none"> <li>a. Should be preinstalled windows CE Operating system</li> <li>b. The OEM software installed should have user friendly navigating menus, import options to search records using .txt or .csv files</li> </ul> </li> <li>D. Mandatory functionalities <ul style="list-style-type: none"> <li>a. It should be ideal for shelf check ordering, shelf-reading, e-shelving, searching weeding and exception finding.</li> <li>b. Should accommodate data collection simultaneously with other functions such as shelf reading. Inventory, identifying items on search lists, and item security status.</li> </ul> </li> </ul>	1



		<ul style="list-style-type: none"> <li>c. Should locate items that are placed on the shelves. And this must be sensitive enough to locate items that are out of place by as little as 5 inches.</li> <li>d. Secure status checking capability must also allow the user to scan items to identify individual items which have not been properly checked in, before re- shelving.</li> <li>e. Should allow a user to quickly enter search criteria directly into the device and It must allow display of the title of the item on the device.</li> <li>f. Should support for sorting the items on shelf</li> <li>g. Should support for shelving items on shelf</li> <li>h. It should detect the security status of an item</li> <li>i. It should provide both audio and visual alerts.</li> </ul> <p>E. Memory Storage</p> <ul style="list-style-type: none"> <li>e. It should have internal memory to store more than one million data</li> <li>f. It should have microSD Card slot.</li> </ul> <p>F. Compliance: The handheld reader should be UL-certified and should meet the EU, WEEE and RoHS directives</p> <p>G. Power:</p> <ul style="list-style-type: none"> <li>d. It should work using rechargeable battery</li> <li>e. The systems should work for at least 6 hours on continuous use</li> <li>f. It should have charging cradle to charge the battery with USB connection.</li> </ul>	
4.	Security Gates – Double Aisle (3 Pedestal)	<p>A. Pedestal Dimension:</p> <ul style="list-style-type: none"> <li>a. Size (w x d x h): 73mm x 680mm x 1780mm</li> <li>b. Total width between two pedestals should not exceed 1.1 meter</li> <li>c. Body Material: Transparent Plexiglas panel</li> <li>d. Enclosure rating: The base of the gate should be made of ABS and should have an Ingress protection rating of IP 41.</li> <li>e. Each pedestal should not weigh more than 30 Kgs</li> </ul> <p>B. Base plate for gate:</p> <ul style="list-style-type: none"> <li>a. The gate should be mounted using a Metallic base plate</li> <li>b. The base plate should be at least 25kg to give stability and should have concealed cable passage.</li> </ul> <p>C. Data Interface: Ethernet port and I/O port for CCTV integration</p> <p>D. Detection Range:</p>	1

- a. An optimal coverage should be achieved within 43 inches / 1,100 mm of separation between the two pedestals.
  - b. Each pedestal should have antennas in them for greater detection. It should have options to include additional panels by synchronizing readers.
  - c. While the standard setup must be a combination of two gates, it should provide options to add up to 7 panels to provide total coverage of 7.7 meters.
  - d. The gate should support multiple RFID data encoding models simultaneously.
- E. Compliance:
- a. The gate should read ISO 15693, ISO 18000-3-A, compatible RFID labels.
  - b. The security gates must conform to CE/EMC/UL/FCC, RCM, ETSI, IC, ADA, DDA certifications
- F. Performance:
- a. RFID labels with theft or security bits that are “On” must immediately trigger an alarm and even when LMS is offline.
  - b. Non-deactivated RFID tags should be instantaneously detected regardless of orientation.
  - c. Should read at least 8 tags per second
  - d. The gate should have functionality to save energy. In the energy save mode, the gate should activate the RFID detection only when people are approaching. This feature should help save the library energy costs during off-peak times.
  - e. All electronics components such as readers, antenna etc. should be built into the pedestals. There should be no components extruding from the gates
- G. RFID operating frequency: 13.56MHz
- H. Transmitting power: Maximum 8 W
- I. Alarms:
- a. Visual Alarm: The gate should have multi-color, customer selectable LED lights with variable alarm patterns. The gate should support the following LED light color options: red, cyan, magenta, blue, green, yellow, white in order to suit the library’s decor.
  - b. The gate’s visual alarm setting should be configurable. If there are more than one

		<p>entry/exit points or more than one aisle in a single entry/exit point, the library should have the option of selecting whether all pedestals will sound the visual (light) alarm or only the two pedestals through which the theft detection has occurred.</p> <p>c. Audio Alert: The gate should support different audio alarm modes such as short, consistent beeps or long beeps. It should have functionality to adjust the volume of the alarm</p> <p>d. Web Cam Trigger: The gate should support Web Cam Trigger to capture the photo of theft detection through an external web cam.</p> <p>J. Patron Counter: The gate should have a radar based patron counter. It should have a digital display to showcase the number of patrons entering and exiting the library in addition to the alarm counts.</p> <p>K. Security Cordon rope: The gate should have provision to attach a security cordon rope that directs the patrons to walk through the gate corridors. The rope has to be attached to the gate pedestal on one end and the wall at the other end.</p> <p>L. Software:</p> <p>a. The security gate should be integrated with the LMS via SIP2 protocol. The library will ensure that the SIP2 is available in the LMS. No Middleware application should be used for integration.</p> <p>b. The software should give pop-up messages with Accession Number and Title details when an item raises an alarm</p> <p>c. Should have the provision to view library visitors count remotely with reset option</p> <p>d. Should have the provision to take periodical reports, In-depth statistics on user visits</p>	
5.	Self Check-in/Check out Kiosks with Mifare Reader	<p>iv. Dimension and structure:</p> <p>a) Model: Free-standing type</p> <p>b) Size (w x d x h): 940mm x 570mm x 1240mm. Variance of <math>\pm 10</math>mm is acceptable.</p> <p>c) Weight: Around 60Kg. Variance of <math>\pm 5</math>Kg is acceptable</p> <p>d) Flexibility: Should have detachable base for easy conversion into desktop mode.</p> <p>e) Design: Should have aesthetically designed steel body and base. All wires and cables should be concealed inside the metal</p>	2

		<p>casing / body. Kiosks made of flimsy materials will be rejected.</p> <p>f) Voluminous: Integrated side-mounted shelf for keeping books/belongings</p> <p>v. Connectivity: Via physical LAN network</p> <p>vi. Kiosk PC System: 64bit Windows 10 IoT Enterprise LTSP (Long time servicing branch), 4GB RAM, 128GB SSD.</p> <p>vii. Display:</p> <p>a) Size: 22-inch landscape oriented</p> <p>b) Aspect ratio: 16:9</p> <p>c) Resolution: Full high definition (FHD): 1920x1080 and 2.1 megapixels</p> <p>d) Technology: Touchscreen technology, No visible operating buttons.</p> <p>e) The reading area of kiosk should be illuminated.</p> <p>f) Speakers: 2 x 2 W (Stereo)</p> <p>g) The screen should support a brightness of at least 225 cd/m<sup>2</sup></p> <p>viii. RFID Specification:</p> <p>a) Operating Frequency: 13.56MHz</p> <p>b) Supporting tag types: ISO 15693, ISO 18000-3-A (NXP SLI, SLIx, SLIx2)</p> <p>c) Item capacity: at least 5 items at a time</p> <p>ix. Power:</p> <p>20. The kiosk should support 240V ac / 50 Hz and come with 5 AMP fuse</p> <p>21. The Kiosk should have transmitting power of 1.2 W</p> <p>x. Printer</p> <p>a) Should have in-build printer with auto paper cut</p> <p>b) Paper roll: 80mm</p> <p>c) Option to customize the print receipt with institution name, logo and custom messages in English, Hindi, Kannada language.</p> <p>d) Accessibility: Easily accessible from the front of the kiosk to change rolls with ease. Should be secured with a lock and key.</p> <p>xi. Mifare / Barcode readers:</p> <p>a. The kiosk should have integrated Mifare and barcode card readers.</p> <p>b. The (Mifare) should support cards of frequency 13.56MHz adhering to ISO/IEC 14443 Type A</p>	
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		<p>standard</p> <ul style="list-style-type: none"> <li>c. It should support both printed barcodes and digital barcodes. The barcode scanner should be adjustable.</li> </ul> <p>xii. International Standards: The Kiosk should comply with DDA, ADA, CE, FCC, IC, MET.</p> <p>xiii. Kiosk Software Features</p> <ul style="list-style-type: none"> <li>a. The OEM should provide software for the kiosk at no additional charge.</li> <li>b. Patron Functionalities: The software should interface with the LMS to perform issue, return, renewal, queries (items borrowed, due date, fines-pending), receipt printout with ease for the items placed on the Kiosk or borrowed item which all are currently in patron's account. In addition, it must set the security bit according to the nature of transaction. It should also provide manual entry for login without using smartcard.</li> <li>c. Library can decide the login modes – Manual Entry or using Smart Card/ barcode or both together.</li> <li>d. When processing library items (issue, return or renewal) the status of each item should be displayed including setting of the security bit.</li> <li>e. The kiosk should allow the patron to renew the items without bringing the items to the library.</li> <li>f. Staff Functionalities: Should allow staff to customize institutional details, logo and themes, display customized information on screen and manage language settings.</li> <li>g. The software should enable circulation of library items by integrating with the LMS using SIP2/NCIP protocol. No middleware applications should be used to integrate the kiosk with the LMS. Bidder has to submit an undertaking along with the bid stating the same.</li> <li>h. The kiosk interface should support the following Indian Languages English, Hindi and Kannada. The software should allow the patron to change the language whenever he/she wants to, even in the middle of an issue / return session and receipt should be get printed in the same languages which is selected by the patron.</li> <li>i. The kiosk should be configured to work in offline mode in the case of network connection failure to LMS. On resumption of network connection, all</li> </ul>	
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		<p>offline transactions should be automatically uploaded/synced to the LMS, if not it should be alerted to the staff immediately. When the Kiosk is running in Offline Mode it should not allow blocked patron to issue/return the books and library staff can define the blocked list at any time by them self.</p> <ol style="list-style-type: none"> <li>1. The kiosk should support functionality that allows the library to promote upcoming activities or events or suggest/ recommend books by displaying the information on the kiosk screen. The kiosk should have the functionality to control the start and end date and time of the information displayed.</li> </ol>	
6.	Smart Cards	<ol style="list-style-type: none"> <li>1. ISO compliant tags with standard operating frequency and standard memory storage and size.</li> <li>2. Pre-printed with submitted design and Institute logo</li> <li>3. The smart cards should be 1kb Mifare Plus cards with pre-printing on both sides (pre-printing to be approved by Department)</li> </ol>	6500
7.	RFID Anti-Theft Stickers	<ol style="list-style-type: none"> <li>a) Good quality smooth face</li> <li>b) Label printed with Name and logo (design to be approved by Central Library, NITK)</li> <li>c) Size: Minimum half inch larger on all sides than the RFID tag</li> <li>d) Strong permanent adhesive, which does not leach in to the paper of the book</li> </ol>	100000
8.	Job Work for RFID Technology	<ol style="list-style-type: none"> <li>1. RFID Tagging &amp; Pasting Anti-theft Stickers to Books and other existing material in library and enabling existing Patrons' smart cards</li> <li>2. Number of Books &amp; Other Materials: 1,00,000 (approximate)</li> <li>3. Number of existing patrons' smart cards: 7,000 (approximate)</li> <li>4. Submitting inventory report to library</li> </ol>	100000

## Annexure-II

### FORMAT FOR MANUFACTURER'S AUTHORISATION LETTER TO AGENT (on letter head)

Ref. No.

Date:

To,  
The Director  
National Institute of Technology Karnataka, Surathkal  
PO Srinivasanagar, MANGALURU 575025

Sub.: Authorization Letter

Dear Sir,

We, \_\_\_\_\_, who are established and reputed manufacturers of \_\_\_\_\_, having factory at \_\_\_\_\_, hereby authorize M/s. \_\_\_\_\_ (name & address of Indian distributor /agent) to bid, negotiate and conclude the order with you for the above goods manufactured by us.

We shall remain responsible for the tender / contract / agreement negotiated by the said M/s. \_\_\_\_\_, jointly and severally.

We ensure that we would also support / facilitate the M/s \_\_\_\_\_ on regular basis with technology / product updates for up-gradation / maintains / repairing / servicing of the supplied goods manufactured by us, during the warranty period.

In case duties of the Indian agent / distributor are changed or agent / distributor is changed it shall be obligatory on us to automatically transfer all the duties and obligations to the new

Indian Agent failing which we will ipso-facto become liable for all acts of commission or omission on the part of new Indian Agent / distributor.

Yours faithfully,

[Name & Signature]

for and on behalf of M/s. \_\_\_\_\_ [Name of manufacturer]

**Note: This letter of authorisation should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer. A copy of notarised power of attorney should also be furnished.**

**Annexure-III**

**FORMAT FOR NON BLACKLISTING OF SUPPLIER**

I/ We \_\_\_\_\_Manufacturer/partner/Authorized Distributor/Agent (strike out which is not applicable) of (Supplier) \_\_\_\_\_ do hereby declare and solemnly affirm that the individual/firm/company is not black-listed by the Union/State Government/Autonomous body.

Deponent

Address \_\_\_\_\_

I/ We hereby solemnly declare and affirm that the above declaration is true and correct to the best of my knowledge and belief. No part of it is false and nothing has been concealed.

Deponent

Dated: \_\_\_\_\_

(Note: To be furnished on non-judicial stamp paper duly attested by the Oath Commissioner.)



**Annexure-IV**  
List of Government Organizations/Department

List of Government Organizations for whom the Bidder has undertaken such work during last three years (must be supported with work orders)

Name of the organization	Name of Contact Person	Contact No.

Name of application specialist / Service Engineer who have the technical competency to handle and support the quoted product during the warranty period.

Name of the organization	Name of Contact Person	Contact No.

Signature of Bidder

Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Organization Name: \_\_\_\_\_  
Contact No. : \_\_\_\_\_

**Annexure-V**

**UNDERTAKING**

I/We have gone through the terms and conditions and will abide by them as laid down above.

I hereby undertake that the information provided above and elsewhere in the tender is true and the tender is liable to rejection if the same is found to be false or the information is found to have been suppressed by me.

Signature :

Name of the official :

Designation :

Name of the Agency :

Address of the tenderer :

Seal of tenderer :

Date :

Place :

## Annexure-VI

### UNDERTAKING for warranty/guarantee and Free Service

I / We certify that the guarantee / warranty shall be given for a period of **FIVE YEARS (05)** starting from the date of the satisfactory installation, commissioning and handing over of the equipment and the work completed under the contract. During the guarantee / warranty period, I/we shall provide the “after sale service” and the replacement of defective / or any part(s) of the equipment or rectification of defects of work of the equipment will be free of cost. The replacement of the parts shall be arranged by us, at our own cost and responsibility. We undertake that the above guarantee / warranty shall begin only from the date of successful installation. The benefit of change in dates of the guarantee / warranty period shall be in the interest of the user / your organization.

I / We shall try to repair the equipment at Institute premises. However, in case it is not possible to repair the equipment at Institute premises, we will take out the equipment to our site on our own expenses. We shall take the entire responsibility for the safe custody and transportation of the equipment taken out for repairs till the equipment is rehabilitated to the Institute after repair. If any loss of equipment occurred during our custody, we will restore it / compensate to Institute for such losses.

Signature :

Name :

Designation :

Name of the Agency :

Address of the tenderer :

Seal of tenderer :

Date :

Place :

## Annexure-VII

### Checklist for BIDDERS

BIDDERS to indicate whether the following are enclosed/mentioned by striking out the non-relevant option and the relevant technical bid documents should be in order.

Sl. No.	Documents	Content	Document Attached
1.	Technical Bid	Format of compliance statement of specification as per Annexure-A	( Yes /No ) Pg. No.
2.		License certificate for manufacture /supply of the item & Factory license	( Yes /No ) Pg. No.
3.		Previous Supply Order as per Annexure-B	( Yes /No ) Pg. No.
4.		List of Owner/partners of the firm and their contact numbers (Bidder Information)	( Yes /No ) Pg. No.
5.		Declaration of abandoned or suspended any awarded service & Blacklist Certificate. Annexure -C	( Yes /No ) Pg. No.
6.		Self-Attested copy of GST & PAN Number	( Yes /No ) Pg. No.
7.		Catalog of the Products with detailed product specifications. (Annexure-I)	( Yes /No ) Pg. No.
8.		Undertaking that the successful BIDDER agrees to give a 10% Performance Security.	( Yes /No ) Pg. No.
9.		Copy of Balance Sheet	( Yes /No ) Pg. No.
10.		Duly filled in checklist should be submitted along with the Technical Bid.	( Yes /No ) Pg. No.
11.		Contract form given in Section 5	( Yes /No ) Pg. No.
12.		EARNEST MONEY DEPOSIT (Annexure –G) In case of exemption from submission of EMD, proof of registration with NSIC/MSME	( Yes /No ) Pg. No.
13.		Bank details of the bidder. (Annexure-E)	( Yes /No ) Pg. No.
14.		Performance Guarantee Bond ( Annexure-F)	( Yes /No )
15.		Original Equipment Manufacturer Authorization letter (Annexure-II)	( Yes /No ) Pg. No.

16.		Letter of incorporation of OEM	( Yes /No ) Pg. No.
17.		List of 400 library RFID installations	( Yes /No ) Pg. No.
18.		OEM ISO certificate	( Yes /No )
19.		OEM undertaking for single manufacturer of equipment	( Yes /No ) Pg. No.
20.		Copy of 2 Purchase Orders with the order value of minimum Rs. 35 lakhs in the Higher Educational Institutions (HEIs)	( Yes /No )
21.		OEM turnover statements for last three year (2016-17, 2017-18 and 2018-19 be furnished	( Yes /No ) Pg. No.
22.		Format for Non Blacklisting of Supplier (Annexure-III)	( Yes /No )
23.		Copies of telephone bill / Electricity bill of OEM or authorized distributor Service Centre in India	( Yes /No ) Pg. No.
24.		Experience of RFID integration with Koha through SIP2 (Annexure-IV	( Yes /No ) Pg. No.
25.		Undertaking on the letter head with regards to RFID integration with Koha using SIP2.	( Yes /No ) Pg. No.
26.		Undertaking for trained support of professional from OEM/ authorized distributor / agent	( Yes /No ) Pg. No.
27.		Quote for comprehensive AMC for 2 years	( Yes /No ) Pg. No.
28.		Declaration Certificate	( Yes /No )
29.		CONTRACT FORM (Section-5)	( Yes /No ) Pg. No.
30.		UNDERTAKING (Annexure-V)	( Yes /No ) Pg. No.
31.		UNDERTAKING for warranty/guarantee and Free Service (Annexure-VI)	( Yes /No ) Pg. No.
32.		Checklist for BIDDERS (Annexure-VII)	( Yes /No ) Pg. No.
1	Financial-Bid	Price bid	( Yes /No ) Pg. No.
2		Quote for 2 year comprehensive AMC after the initial 5 years warranty is over	( Yes /No ) Pg. No.

Seal and Signature of the bidder