



# **BIDHAN CHANDRA KRISHI VISWAVIDYALAYA**

PO- KrishiViswavidyalaya, Mohanpur, Nadia, W.B.,PIN-741252

Registrar's Central Purchase Section

## **NOTICE INVITING E-TENDER (NIET)**

Tender Ref. No.: **BCKV/CPC/CL/NIET/RFID/ICAR/2018-19/02, Dated: 19/02/2019**

Tender Id. No. **2019\_BCKV\_217560\_1**

Online E-Tender is invited for '**Supply, Installation & Commissioning of RFID System and Integration with Koha Library Management System**' to Central Library, Bidhan Chandra KrishiViswavidyalaya, West Bengal- 741252 from the eligible original equipment manufacturer/authorized seller or reseller/ firm etc. Interested may follow the instructions as given below for submission of their e-tender under online mode.

### **1. Tender Notice :**

#### **BCKV invites e - Tender under two bid systems for:**

Supply, Installation & commissioning of RFID system and Integration with Koha Library Management System to Central Library Bidhan Chandra KrishiViswavidyalaya, West Bengal- 741252 as per the quantity and specification mentioned in this Tender document. Tenders are to be submitted online through the website <http://wbtenders.gov.in>.

### **2. Selection Criteria:**

#### **A. Original Equipment Manufacturer (OEM)**

- The Original Equipment Manufacturer (OEM) should have been in existence for at least 10 years.
- OEM should be a company focused only on Library Automation Solutions. Products developed by OEMs catering to other segments such as Laundromats, retail, logistics, etc. will be rejected.
- All the RFID items in the bill of materials should be from the same OEM.
- Reputed OEMs with domestic and international customers will have an added advantage.

#### **B. Authorized Reseller (AR)**

- If OEM is not present in India, then the OEM's Authorized Reseller will be allowed to bid for the project. The Reseller's sub-resellers are not allowed to bid for the project.

- The bidder should be a company registered under the companies act. 1956.
- The bidder should have been in existence for at least 10 years.
- The bidder should have produce audited balance sheets for last three years as proof.
- The bidder should submit an authorization letter from the OEM as a proof.
- No consortiums are allowed. And bidders should bid for the entire project. 'Partial bids' will not be entertained.
- The bidder should have supplied the similar RFID equipment in atleast 2 Central / State Universities, Private universities & institutes. Attach entire experience documents

### **C. Product Criteria**

- All hardware items should be manufactured by a single OEM.
- Only High Frequency (HF) RFID products should be supplied.
- The RFID system should integrate with the Library's LMS through SIP2 (**Standard Interchange Protocol**).
- No middleware applications should be used to integrate RFID equipment with the LMS. Bidder has to submit an undertaking along with the bid stating the same.
- All data stored in the RFID Tags should adhere to international data models. The tags will be tested with other vendor / bidder's products for compatibility.
- Any proprietary based saving of information of RFID Tags will not be accepted and bid will be disqualified.

All the RFID components chosen for complete solution must conform to ISO 15693, ISO 18000-3 Mode 1.

### **4. Technical Qualifying Criteria :**

The Tenderer must fulfill the following eligibility condition.

1. The Firm should have all the necessary registrations of the Government :
  - a) Firm / Company Registration
  - b) PAN Number
  - c) GST Registration and other relevant documents
2. The Technical bid should contain 'Earnest Money' Deposit (EMD) of an amount of Rs. 35,000/- (Rupees Thirty Four Thousand only). The EMD should be submitted in the form of demand draft in favor of 'Bidhan Chandra Krishi Viswavidyalaya'.
3. Tenderer's sales turnover should not be less than Rs. 20.00 Lacs (Rupees Twenty Lacs) per annum (Each in the past three years). The tenderer should submit copies of supporting records to prove the condition.
4. The tenderer should not have been blacklisted by any State Government/Central Government and/or any Central PSU. Declaration to this effect should be furnished in the Technical Bid. (Annexure-II)
5. As per GFR Rule No.173 Late bids i.e. bids received after the specified date and time of receipt, should not be considered.

6. Incomplete and conditional bids submitted by the vendors will be summarily rejected.
7. Tenderers are advised to visit the site of [www.bckv.edu.in](http://www.bckv.edu.in) before quoting the offers at <http://wbtenders.gov.in>.
8. The tenderer has to furnish minimum two references of Libraries/Institutes of repute wherein the RFID system successfully implemented by them. Such references should complete in all respect with email and contact details.
9. The Original Equipment Manufacturer (OEM) should have been in existence for at least last 15 years.
10. OEM should be a company focused only on Library Automation Solutions. Products developed by OEMs catering to other segments such as laundromats, retail, logistics management etc. will be summarily rejected.
11. All hardware items should be manufactured by reputed International OEM. Cheap/low quality assembled/Chinese items will not be entertained.
12. The OEM should have at least 500 library RFID implementations across the world & at least 5 Libraries in India.
13. OEMs or OEM's Direct Authorized seller or reseller will only be allowed to bid for the project. Reseller's sub-resellers are not allowed to bid for the project.
14. No consortiums are allowed.
15. All the RFID items in the bill of materials should be from the same OEM.
16. If Authorized seller or reseller is bidding, then the following additional criteria must be met:
  - a. The Authorized Reseller should be a company registered under the companies act. 1956.
  - b. The authorized reseller should submit the authorization letter from the OEM as a proof.
17. Bidders should bid for the entire project. Partial bids will not be entertained.
18. Installation and Training for the Central Library, BCKV personnel/ staff should be provided at no additional cost.
19. The system should integrate with the Library's Library Management System (Koha) through SIP2 (Standard Interchange Protocol) / NCIP protocol (NISO Circulation Interchange Protocol).
20. The supplied solution should support both SIP2 and NCIP.
21. All Supplied Software and Hardware should be from a single Manufacturer.
22. No middleware applications should be used to integrate RFID equipment with the LMS. Bidder has to submit an undertaking along with the bid stating the same.
23. Bidder should have a dedicated support team and should resolve any issues within 24 hours. Support can be provided through phone / email / Skype / any remote supporting tools. For Critical issues the vendor should send the support engineers to onsite for resolving the issue.
24. BCKV Mohanpur West Bengal reserves the right to select the suitable vendor depending on vendor's technical capabilities. BCKV Mohanpur West Bengal reserves the rights to accept/reject any offer in full or in part or accept any offer other than the lowest offer without assigning any reason thereof.
25. In the financial offer/ bid, the prices quoted should be inclusive of all taxes, packing, forwarding, freight, Insurance, delivery and commissioning etc. at delivery site (BCKV, Mohanpur, West Bengal-741252, INDIA).

26. All items to be quoted with will be minimum of 3 years Warranty post installation.

27. All data stored in the RFID Tags should be as per the international data model. The tags will be tested with other vendor / bidder's products for compatibility. Any proprietary based saving of information of RFID Tags will not be accepted and bid will be disqualified.

28. Any upgrade in the software provided by the bidder for the RFID hardware should be provided free of cost during the maintenance contract at no additional cost.

29. All the RFID components chosen for complete solution must conform to ISO 15693/ISO18000-3 in accordance with the equipment and works,

**30. Custom Duty Exemption Certificate as DSIR certificate will be issued by BCKV Mohanpur West Bengal-741252 to the qualified bidder.**

### 31. SETTLEMENT OF DISPUTES

A. Any difference or dispute arising out of or in connection with this tender or acceptance thereof or the contract that may be entered in consequence thereof, shall be decided by arbitration. The University authority of BCKV or his nominee shall be the sole arbitrator and the arbitrator's decision shall be final and binding on the parties. The tenderer (s) will have no objection to such appointment on any ground whatsoever including that such nominee, in his official capacity dealt with this matter at any stage.

B. The parties hereby agree that in the event of any dispute no cause of action shall arise in their favor to approach any court unless they have exhausted the remedy of arbitration as envisaged above.

C. The parties also do hereby agree that the contract envisaged by these terms and conditions shall be deemed to have been entered into at BCKV west bengal and the courts at High Court, Kolkata alone will have jurisdiction to try and legal proceedings which may arise out of this contract. Neither party shall file any proceedings in any other Court.

### 32. Consequence of non-supply and damages

1. Assuming that the tenderer fails to deliver any service covered by the contract with BCKV reserves the right in addition to other legal remedies, to cancel the contract or any portion thereof and hold the tenderer liable for all damages sustained by the university by virtue of the tenderer failing to perform the contract and consequent cancellation of the contract.

2. The time allowed for delivery of services shall be deemed to be the essence of the contract. The University also reserves the right to cancel the work order in case any service is delayed beyond the scheduled date of operation and to make such arrangements as it may think fit for the completion of activity on account and at the risk of the successful tenderer. The additional expenses shall be recovered from the successful tenderer out of his / their security deposit / earnest money deposit (EMD). The balance still, if any, payable by the successful tenderer shall be paid by him/them by the University (BCKV).

## 5) Submission of Tenders:

### i) General process of submission

Tenders are to be submitted online through the website <http://wbtenders.gov.in>. All the documents uploaded by the 'Tender Inviting Authority' form an integral part of the contract. Tenderers are required to upload all the tender documents along with the other documents, as asked for in the tender, through the above website within the stipulated date and time as given in the Tender. Tenders are to be submitted in two folders at a time, one is Technical Bid and the other is Financial Bid. The tenderer shall carefully go through the documents and prepare the required documents and upload the scanned documents of originals in Portable Document Format (PDF) to the portal in the designated locations/folders of Technical Bid. He needs to fill up the BOQ in the designated cell and upload the same in designated location of Financial Bid. The documents uploaded are virus scanned and digitally signed using the Digital Signature Certificate (DSC). Tenderers should specially take note of all the addendum/corrigendum related to the tender till the bid submission ends. Tenderers should in general upload the latest documents as part of the tender, however, in case of failure in uploading such documents, it will be deemed that they (tenderers) have taken note of such latest documents including addendum/corrigendum, if published till the bid submission ends.

### ii). Technical Bid:

The Technical Bid should contain scanned copies and/or declarations in the following standardised formats in two covers (folders):

#### 5(II)A. File containing: Basic

##### A1. Annexure folder –

- a. Basic Information (Vide Annexure I) (to be submitted in "Annexure" folder)
- b. Application for Tender - (Vide Annexure II) (to be submitted in "Annexure" folder)
- c. Undertaking - (Vide Annexure III) (to be submitted in "Annexure" folder)
- d. Affidavit Proforma - (Vide Annexure IV) (to be submitted in "Annexure" folder)
- e. DECLARATION ON NIT - (Vide Annexure V) (to be submitted in "Annexure" folder)
- f. Price Bid certification - (Vide Annexure VI) (to be submitted in "Annexure" folder)

**A2.** Technical details of the Items Quoted (Bidders must submit Technical specifications along with Catalogue of the item quoted in "**Technical Details**" Folders.

**A3.** Bidder must submit Audited Balance Sheet and Profit and loss Account for last 3 (three) financial year namely 2015-16, 2016-17 & 2017-2018 in "**Accounts**" folder

**A4. EMD:** Vendors are required to pay the requisite amount of Rs. 35000.00 (Rupees thirty five thousand) only as EMD draft as specified against their quotation. Scanned copy of the demand draft must be uploaded as supporting document during submission of e-tender. Without EMD quotations bids will not be considered for technical or financial comparison. Draft must be in favour of 'Bidhan Chandra Krishi Viswavidyalaya' payable at Kalyani (IFSC: SBIN0001082). EMD exemption certificate must be attached, if any.

## **5(II)B. Filecontaining: Certificate etc.**

**B1.Certificates:**PAN Card of the Bidder, GST Registration, Manufacturing Authorisation/ Certificate

**B2.Company Details:** Trade Licence/Enlistment Certificate, Registration with Registrar of Companies, etc.

**B3.Credential:**a) Copy of the purchase order for supplying similar nature of items at least for last 2in an Institute of Higher Learning b) Brief User List preferably for users in an Institute of Higher Learning

**B4. Financial Information:** Income Tax Returns submitted for the Assessment year 2015-16,2016-17 &2017-18.

**5(III).Financial Bid/price Bid:** The Financial Bid should contain as given format.

**Bill of Quantities (BOQ):** The tenderer should fill-up the BOQ

**5(IV)**The tenderers are not required to submit hard copies of Technical File or Mydocuments. Submission of hard copy of Financial Bid is strictly prohibited andonly be submitted through on line through NIC portal.

## **6) Evaluation of the tenders:**

During the tender evaluation process, the “Technical Bid” will be opened first. Those Bidders who have qualified in “Technical Bid” will be identified and their financial bid will be opened. The financial bid of those tenderer failing to meet the technical & other requirements laid down in the tender will not be opened and be rejected. The Tenderer offering the item found suitable and as per the tender specifications will only be selected. Final selection of the lowest bidder in respect of Financial Bid is subject to further verification. The Financial Bids of only those tenderers who have been considered as ‘Technically Qualified’ will be opened. If found suitable in the context of above prequalification etc. , the tenderer quoting the lowest rate will be considered as successful.

## **7) TERMS & CONDITIONS REGARDING PURCHASE POLICY OF TENDERINGAUTHORITY:**

Tender should be submitted in the following two separate folders in e tenders portal:

- Technical Bid (duly filled in and signed tender
- Price Bid

- I. Rates should be offered unconditionally and if rates are submitted with any conditionthe tender liable to be rejected.  
Tenderer must have to quote item wise rates, consolidated rates will not be considered and tender will be liable to be rejected.
- II. Tenderer must have to quote item wise rates, consolidated rates will not be considered and tender will be liable to be rejected.
- III. These rates will be valid for 60 days from the date of opening of tender document.
- IV. Tenderer shall enclose a demand draft/pay order of any Scheduled Bank for an amount of `Rs35,000/- (thirty five thousand) in favour of Bidhan Chandra KrishiViswavidyalayapayable at Kalyani as the non-interest bearing Earnest Money Deposit. Tender document without EMD shall be rejected.
- V. EMD will be adjusted after final completion of the work who will get the order.
- VI. No tenderer will be allowed to withdraw the tender rates after opening of the tender. If any tenderer withdraws the rates the EMD amount deposited by him will be forfeited and he will be disqualified from participating in any future tender of the Institute.

- VII. The successful tenderer will have to deliver and install about the equipment within 15 days from the date of issuance of purchase order. Also the demonstration of all the functions of the equipment to the user department should also be completed by the successful tenderer within the scheduled time frame.
- VIII. If the tenderer fails to supply the ordered quantity within scheduled time frame, the Institute will have right to purchase the ordered quantity which the supplier could not supply within scheduled time limit from any other alternate sources and the contract will be liable to be terminated and the EMD will be liable to be forfeited. The Institute will have the right to impose penalty for the delay of the supply of ordered quantity and also to recover the excess amount, the Institute has been forced to pay for purchase of material from the alternate sources from any dues payable to the supplier.
- IX. The agency should enclose self-attested copies of allotment of PAN/PAN Card under the Income Tax Act failing which tender will be liable to be rejected. Tenderer will have to produce all these original documents at any time demanded by the Institute.
- X. BCKV reserves the right to reject any or all tenders without assigning any reason thereof.
- XI. Equipment will be supplied with at least 3 years warranty / guarantee and free service from the date of verification & acceptance by BCKV.
- XII. Equipment having outdated designs with similar specification will not be accepted.
- XIII. The defective equipment and accessories shall be replaced by the agency without any additional charge during guarantee period of supplied equipment, otherwise the decision of the competent authority of BCKV West Bengal shall be final. The replacement will have to be carried out within 7 days of the intimation being received from the Institute.
- XIV. Payment of the supply will be released after verification of equipment and related accessories, successful demonstration of the equipment, certification of satisfactory installation by the user department and on the production of original invoices.
- XV. The entire procurement of Equipment will be for state Government aided 'Educational Purpose' only i.e. it will use for central library, BCKV
- XVI. If any malafied intention is observed by the competent authority of BCKV, the agency shall not be eligible for further tenders.
- XVII. Chairman, Central Purchase Committee, BCKV reserve the right to cancel the whole tender process at any stage in the interest of BCKV, without assigning any reasons whatsoever and also the rights to waive any minor discrepancy in the tenders received.
- XVIII. Competent authority, BCKV also reserves the right to change the quantity/ upgrade the criteria/drop any item or part thereof/extension of delivery date at any time before placing the purchase order.
- XIX. The successful bidder will have to supply and install the equipment ordered within 20 days of the issuance of the purchase order at the address given below:  
To,  
The Central Library,  
1<sup>st</sup> Floor  
Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, West Bengal-741252
- XX. In case of any dispute raised by the supplier, a representation will be made only by the authorized representative of the supplier and the decision of the Competent Authority of the BCKV West Bengal will be binding on the supplier.
- XXI. In case of any dispute the Jurisdiction of Court will be Kolkata/ Kalyani.
- XXII. Bidders need to provide adequate training to the nominated persons of Central Library BCKV at their cost. University will not bear any training expenditure for the same.
- XXIII. The items supplied shall be new & unused and of the make desired by the NBCKV.
- XXIV. Bid Information: The rate quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account. Bidder must follow the instruction for filling up BOQ
- XXV. Evaluation of Quotation: The Purchaser will evaluate and compare the quotations determined to be substantially responsive stage wise. Firstly, Technical Bid will be evaluated based on and thereafter Price Bid for technically qualified bidders will be evaluated for selection of vendor.

- XXVI. Award of Contract: The purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive both technically and commercially for both the part of the job. Purchaser reserves the right to reject any or all the tender, wholly or partly, without assigning any reason thereof and shall not be bound to accept the lowest bid.
- XXVII. Validity of offer: A bidder should spell out in the tender that it shall remain valid for a minimum period of six months from the date of opening of the tender and during this period, the bidder shall not be entitled to revoke or cancel its offer.
- XXVIII. Place of Work: CENTRAL LIBRARY, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, West Bengal-741252
- XXIX. Payment Schedule: Payment to be made after completion of work with full satisfaction of the University Authority.
- XXX. Discretion of the University: University may take decision about non-purchase of the said equipment even after selection of vendor due to its fund constraints
- XXXI. The university reserves the right to carry out the capability assessment of the participating organizations and examine the technical strengths and merits of the participating firms. University will award the work to the organization on the basis of merits and is in no way bound to place the order to the lowest quoted party. The university's decision shall be final in this regard.
- XXXII. At any stage, during finalisation of the empanelment process, the competent authority of the Institute is free to use any evaluation metrics/weightage or take the help of any consultant, as required in selecting the successful vendor/supplier and all agencies should agree to abide by it.

### **8) Dates & Information:**

Sl	Activities	Date & Time
1	Date of uploading of N.I.T. Documents in the e-tender portal of NIC : <a href="https://wbtenders.gov.in">https://wbtenders.gov.in</a>	19 <sup>th</sup> February 2019
3	Bid Submission Start Date (Online)	19 <sup>th</sup> February 2019 (from 6.30 p.m.)
4	Bid Submission Closing Date (Online)	04 <sup>nd</sup> March, 2019 (up to 6.30 p.m.)
5	Bid Opening Date (Online) – Technical Bid	07 <sup>th</sup> March, 2019 (from 12.00 p.m.)



## Annexure I

### BASIC INFORMATION

(To be furnished in the Company's official letter pad)

1. Name of the Bidder
- 2 Address for Communication
- 3 Contact Number(s)
- 4 E-mail ID
- 5 Trade License No.(Please enclose copy of Trade License)
- 6 PAN(Please enclose copy ofPAN Card)
- 7 GST No.(Please enclose copyof GST)
- 8 Do you have previousexperience for supplying similar nature of Items atEducational Institute of Higher Learning (If yes, Please enclose copy of Purchase order & user list, if yes)
- 9 Annual Turnover as per Audited P/L ACCOUNTS & BALANCE SHEET  
2015-16: Rs.....  
2016-17: Rs.....  
2017-18:Rs.....  
Average Annual Turnover: Rs.....
- 10 Status of the bidder (Please enclose copy authenticating your status)  
Manufacturer/Dealer/Distributer/Selling Agent/Stockiest (Please put tick mark/write)

I hereby declare that the above information is true and correct to the best of my knowledge and belief. In case of any false/wrong/misleading information, I shall be bound to take the decision taken by the University.

Signature of the Bidder  
(With Seal)

**Annexure II**  
**APPLICATION FOR TENDER**

(To be furnished in the Company's official letter pad with full address and contact no, E mail address etc)

To,  
The Registrar & Chairman Central Purchase Committee,  
Administrative Building, 2<sup>nd</sup> Floor, Bidhan Chandra KrishiViswavidyalaya,  
Mohanpur, West Bengal-741252

Sub: NIT for 'Supply, Installation & Commissioning of RFID System and Integration with Koha Library Management System' at Bidhan Chandra Krishi Viswavidyalaya (BCKV)

**Ref: - N.I.T. No-BCKV/CPC/CL/NIET/RFID/ICAR/2018-19/02, Dated: 18/02/2019.**

Sir,  
Having examined the pre-qualification & other documents published in the N.I.T, I /we hereby submit all the necessary information and relevant documents for evaluation:

1. That the application is made by me / us on behalf of .....in the capacity ..... duly authorized to submit the offer. The authorization letter from the company is attached in Annexure II.
2. We accept the terms and conditions/other information as laid down in the tender document vide Clause 1 to 9 and declare that we shall abide by it throughout the tender period including its extensions, if any.
3. We have gone through the 'Tender Document' thoroughly and quoted the tendered items keeping in mind all sorts of information as furnished in the tender document including Corrigendum/Addendums published from time to time.
4. In the event of being selected, I will make the supply within the stipulated period excepting the condition which is beyond our control.

Date: -

Signature of applicant including title and capacity in which application is made.

Contact no:

E-mail address:

Postal Address:

**ANNEXURE –III TECHNICAL BID**

**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 IV**  
(Affidavit Proforma)

(To be furnished in Non – Judicial Stamp paper of appropriate value duly notarized)

I, Sri/Smt.....

The Managing Director/Proprietor (etc.) of the OEM authorized seller/reseller

..... (Name of the firm)At

(address).....

Do hereby solemnly affirm and declare as follows:

1. That I have not ever been convicted of any offence making myself liable to be disqualified to supply of Equipments/other items to any Govt. or Govt. undertaking Organization/Institution in the State of West Bengal or other State or States.
2. That no case is pending against me or against my firm in any criminal court of law to supply of Equipments and other items to the Govt. or Govt. undertaking Organization / Institution in the State of West Bengal or other State or States ( If any case is pending, state the details ).
3. That, I also declare that if any information subsequently found incorrect or false will it automatically render the tender submitted by me cancelled and make me liable for penal/legal action as per law of the country.
4. That my concern has not yet been declared bankrupt by any banking or money lending agency duly licensed by RBI nor has it been considered doubtful by any Government concern so far as the solvency of the organisation is concerned.
5. That I do further affirm that the statements made by me in this tender are true to the best of my knowledge and belief and all the documents attached are genuine & correct.

Deponent(s).

ANNEXURE V

**DECLARATION ON NIT**

(To be typed in company letter pad, scanned and uploaded)

I, the undersigned, do hereby declare that on behalf of my organization, I will comply all the formalities that are required to be complied as per NIT and I will observe all clauses of the NIT (including Terms & conditions). In case of any non-observance of any clause(s) of NIT, my organization will be bound to follow the decisions taken by the 'Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, West Bengal-741252' for taking decision related with the tender for which the said NIT was uploaded.

Full signature of the Person  
(Designation with Seal)

Date:

Place:

**TECHNICAL BID**

**Detailed description of RFID system for Central Library BCKV**

S. N O.	DESCRIPTION	FEATURES	COMPLIANCE (YES/NO)	DEVIATIONS/ COMMENTS
1.	RFID tags and security sticker	<ul style="list-style-type: none"> <li>● <b>RFID Tags for Books:</b> Dimensions- 50 x 50 (LxW) mm</li> <li>● All RFID tags must have operating frequency of 13.56MHz</li> <li>● Memory- 2.5k bits user memory, with self-adhesive backside</li> <li>● Should be water resistant and flexible enough so as to be able to bend or crease.</li> <li>● Should have minimum delivery yield of 97%</li> <li>● Should have Lifetime Warranty, data retention of 50 years</li> <li>● All RFID tags should have the capability to provide over 100,000 read/write operations</li> <li>● Should comply to ISO Standards- ISO 15693, ISO 18000-3 Mode 1, ISO</li> <li>● Should have NXP ICODE SLIX2 processor</li> <li>● Should have inbuilt Aluminum antenna</li> <li>● The thickness of the IC in the tags should not exceed 127 µm.</li> <li>● The operating temperature of the RFID Tags should be -40 degrees C to 85 degrees C</li> <li>● All the RFID Tags should have undergone accelerated aging test at 85°C and at 85% humidity for 15 weeks which includes performance testing.</li> </ul> <p><b>Security Sticker</b> : Good quality self-adhesive labels of following specification: Good quality smooth face label printed with Name and logo (design to be approved by Department)</p> <p>Size: Minimum half inch larger on all sides than the RFID tag</p> <p>Strong permanent adhesive, which does not leach in to the paper of the book</p>		
2.	Staff Station	<ul style="list-style-type: none"> <li>● The RFID Staff station should be placed on top of the circulation table for easy circulation process thereby providing staff with a fast and efficient solution to programme and verify RFID tags</li> <li>● The staff station should be able to read multiple books up to a height of up to 25 cm.</li> <li>● The staff station antenna should be fully shielded and should have a concentrated reading area. i.e., it should only read items that are placed on it. It should not read items that are in the vicinity.</li> <li>● The staff station should be aesthetically designed using Plexiglas.</li> <li>● The staff station should allow circulation related activities like issue, return and renewal to be performed directly on the LMS and also provide tag programming capabilities, taking around five seconds per item to complete.</li> <li>● No middleware applications should be used to integrate the staff station with the LMS. Bidder has to submit an undertaking along with the bid stating the same.</li> <li>● The staff station should have a facility to connect with the LMS without using SIP2 or NCIP.</li> <li>● The staff station should have options to be used with multiple items of mixed media, placed on the antenna at any time.</li> <li>● The vendor should provide OEM software for the staff station at no additional charges, which is to be installed on existing PC, running Microsoft Windows (W7 / W10 32/64 bit).</li> <li>● The OEM software should enable Library staff to activate and deactivate security without interaction with the LMS</li> <li>● The circulation software should be able to process tags programmed in more than 30 different data models and more than 20 extended fields</li> <li>● The OEM software should support all 3 security modes namely; On, Off and Auto.</li> </ul>		

		<ul style="list-style-type: none"> <li>• The staff station should have the functionality to tag and program the RFID labels without the need to be integrated with the LMS.</li> <li>• If the bar code input does not match a particular length or mask (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.</li> <li>• The staff station should work with the Library’s Barcode and Mifare smartcard readers and thermal receipt printers.</li> <li>• The staff station should be able to verify multiple RFID tags placed on the work station</li> <li>• The staff station should comply to ISO 28560</li> <li>• The staff station should comply to the following International Certifications: CE/EMC/ FCC</li> <li>• The staff station should be compact and should not be more than the following dimensions (w x d x h): 350 mm x 300 mm x 20 mm</li> <li>• The staff station should not weigh more than 1.5 Kg</li> <li>• The staff station should not consumer more than 30 W of power.</li> <li>• The staff station should support plug and play and connect to the Library PC via USB.</li> <li>• The staff station should support 240V ac/50Hz.</li> <li>• The RF Power output should be 1.2 Watt</li> <li>• The staff station should support the 13.56MHz frequency.</li> <li>•</li> </ul>		
3.	<b>Freestanding Self Service Kiosk with support for Barcode &amp; Mifare Reader for easy Issue and Return functionality.</b>	<ul style="list-style-type: none"> <li>• As the library is planning to place the kiosk near the entrance adjoining the circulation section, a freestanding kiosk is preferred for patrons to perform issue, return and renew functions. In this context, vendors are requested not to quote for desktop/ table top models of kiosks.</li> <li>• The kiosk should be aesthetically designed with the following dimensions: Width: Not more than 940 mm Depth: Not more than 570 mm Height: Not more than 1240 mm</li> <li>• The kiosk should have a metal body and should be sturdy in nature weighing at least 60 kilograms.</li> <li>• Kiosk made out of flimsy materials such as acrylic/ plastic will not be entertained.</li> <li>• The Kiosk should have a detachable base to facilitate easy conversation from free standing to desktop mode if required later.</li> <li>• The Kiosk should be connected to the library network through physical LAN network.</li> <li>• The Kiosk should have embedded Windows 10 operating system with a minimum of 4 GB RAM and 128GB SSD.</li> <li>• The kiosk should have Large 22" landscape oriented touch screen with projective capacitive touchscreen technology</li> <li>• The touchscreen should support 16:9 Aspect Ratio and full HD resolution (1920 X 1080) and 2.1 megapixels.</li> <li>• The LED screen should not have any visible buttons like power, contrast, volume etc.</li> <li>• The screen should support a brightness of at least 225 cd/m<sup>2</sup></li> <li>• The screen should have integrated stereo speakers-2 x 2 W</li> <li>• The kiosk should support the standard C13 Connector.</li> <li>• The kiosk should support 240V ac / 50 Hz and come with 5 AMP fuse</li> <li>• The Kiosk should have transmitting power of 1.2 W</li> <li>• The kiosk should have an easy accessible, integrated printer with Auto Paper cut. The printer should accept standard 80mm printer rolls. The printer should be secured with an inbuilt lock. It should be easily accessible from the front of the kiosk so as to enable the library staff to change the printer rolls with ease.</li> </ul>		

		<ul style="list-style-type: none"> <li>• The kiosk should have an option to customize the print receipt with Institution name, logo, contact details and custom messages.</li> <li>• The kiosk should come with an integrated side-mounted shelf for placing belonging or books while using the system.</li> <li>• The reading area of kiosk should be illuminated.</li> <li>• The kiosk should be able to handle minimum 5 items at one time</li> <li>• The kiosk should have integrated Mifare and barcode card readers.</li> <li>• It should support both printed barcodes and digital barcodes. The barcode scanner should be adjustable.</li> <li>• It should support Mifare cards of frequency 13.56 MHz), adhering to international standards.</li> <li>• Institution Branding: The User Interface of the kiosk should be customizable with Institution logo.</li> <li>• All the components and wires should be concealed inside the metal casing of the kiosk.</li> <li>• The Kiosk should comply with the following international Standards: DDA, ADA, CE and FCC. The bidder needs to submit the third party certification as a proof of compliance to the standards, self-certification will not be accepted.</li> <li>• The vendor should provide software for the kiosk at no additional charges.</li> <li>• The kiosk software should interface with the LMS and support features such as Issue, Return, Renewal and Receipt printout based on the RFID label attached to the items.</li> <li>• 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>• The software should enable circulation of library items by integrating with the LMS using SIP2 protocol.</li> <li>• The software should enable patrons to check their account (items borrowed, due date for return, any fees / fines pending )</li> <li>• The software should enable a patron to complete all functions (issue, return, renew) under one login, making the transaction process easy and smooth.</li> <li>• When processing library items (issue, return or renewal) the status of each item should be displayed including setting of the security bit and type of item (i.e. books, CD / DVD's,)</li> <li>• The software should allow the library to choose from several in-built design themes.</li> <li>• 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.</li> <li>• The kiosk should have the functionality to control the start and end date of the information displayed.</li> <li>• The kiosk interface should support the following Languages English &amp; Hindi. The software should allow the patron to change the language whenever he/she wants to, even in the middle of an issue / return session</li> <li>• If for some reason, the connection to the LMS is disrupted, then the kiosk should be configured to continue working in offline mode. i.e., the kiosk software should continue to let patrons borrow and return items thereby ensuring continuity of service. And once the connection to the LMS has been restored, all offline transactions should be automatically uploaded/ synced to the LMS, ensuring that all transaction history has been updated. If transactions fail to upload correctly then the staff should be alerted automatically.</li> <li>• The Kiosk should support for ISO 15693, ISO 18 000-3 Mode 1 standards</li> </ul>		
4.	Transparent	<ul style="list-style-type: none"> <li>• The Security gates should be made of transparent Plexiglas and should complement the décor of the library.</li> </ul>		



<p><b>RFID Security Gates</b></p>	<ul style="list-style-type: none"> <li>• The base of the gate should be made of ABS and should have an Ingress protection rating of IP 41.</li> <li>• The dimensions must be up to (w x d x h): 73 x 680 x 1,780 (± 3) millimeters.</li> <li>• Each pedestal of the security gate should not weigh more than 30 kilograms.</li> <li>• The security gate should be able to operate in extreme temperature, preferably between –25 °C to +50 °C</li> <li>• The gate should have a minimum transmitting power of 8W</li> <li>• The gate should be compatible with chips adhering to ISO15693-3/ISO 18000-3</li> <li>• Detection Range: An optimal coverage should be achieved within 43 inches / 1,100 mm of separation between the two pedestals. Each pedestal should have antennas in them for greater detection. It should have options to include additional panels by synchronizing readers.</li> <li>• 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.</li> <li>• The security gate should have a flexibility to be mounted on a metallic base plate. The base plate should have concealed cable passage. The base plate should weigh at least 25kg to ensure that the setup is stable. The base plate should have provisions to bolt itself to the floor of the library to provide enhanced stability.</li> <li>• The gate should be able to read up to 8 tags per second in all three orientations</li> <li>• The gate should support multiple RFID data encoding models simultaneously.</li> <li>• The gate should have provision for visual and audio alarms.</li> <li>• 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 décor.</li> <li>• The gate’s visual alarm setting should be configurable. If there are more than one 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.</li> <li>• 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.</li> <li>• The gate should have an integrated LCD digital display to monitor alarm counts, incoming and outgoing library user traffic and diagnostics</li> <li>• The security gate should have an integrated bi-directional Radar based People Counter to analyze Library traffic patterns; i.e. help staff easily view and analyses both inbound and outbound library traffic patterns.</li> <li>• 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.</li> <li>• Tags with theft or security bits that are “on” must immediately trigger an alarm.</li> <li>• The proposed system must provide item security even when the Library Management System or network is off-line or not functioning. Non-deactivated RFID tags should be instantaneously detected regardless of orientation.</li> <li>• The gate should have suitable number of I/O ports for Standard electronic counter, web cam, trigger, CCTV, Locking gates, etc.</li> <li>• All electronics components such as readers, antenna etc. should be built</li> </ul>		
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		<p>into the pedestals. There should be no components extruding from the gates</p> <ul style="list-style-type: none"> <li>• 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 will be entertained.</li> <li>• The gate should support easy configuration of settings. It should have an easy to use software that supports in-depth statistics, configurations, and central management options, staff should be able to access OEM software remotely, as long as they have access to the library network. This should allow staff to remotely upgrade firmware, run monthly reports and change the alarm colours and patterns.</li> <li>• The gate software should be compatible with a windows based PC. PC will be supplied by the library.</li> <li>• The gate should read ISO 15693, ISO 18000-3-A, compatible RFID tags.</li> <li>• The security gates must conform to CE/EMC/ UL/FCC, RCM, ETSI, IC, ADA, DDA and CSA certifications</li> </ul>		
5.	<p><b>Stock/ Inventory Hand Held reader</b></p>	<ul style="list-style-type: none"> <li>• The Handheld reader should be cordless and light-weight (not more than 650 gm including battery)</li> <li>• The handheld reader should read most RFID tags format.</li> <li>• The handheld unit must be of following dimension: (W X D X H) <ul style="list-style-type: none"> <li>○ Width: 240 mm</li> <li>○ Depth: 180 mm</li> <li>○ Height: 100 mm</li> </ul> </li> <li>• The Antenna portion of the handheld unit should be of following dimension: (W X D X H) <ul style="list-style-type: none"> <li>○ Width: 240 mm</li> <li>○ Depth: 100 mm</li> <li>○ Height: 12.5 mm</li> </ul> </li> <li>• It should have a color touch screen panel with stylus.</li> <li>• The handheld system should have a flexible antenna on a rotation axis.</li> <li>• The handheld system should have the capability to work off-line.</li> <li>• The handheld reader should be ideal for shelf check ordering, shelf-reading, re-shelving, searching, weeding and exception finding</li> <li>• The handheld reader should simultaneously perform shelf-reading, searching and inventory scans.</li> <li>• The handheld reader should detect the security status of an Item.</li> <li>• The handheld reader should identify the items which are not properly checked-in or checked-out.</li> <li>• The handheld reader should have 7.4 volts rechargeable battery and should have 6-8 hours of battery on use</li> <li>• The handheld system should have a flexible antenna that is designed to effectively scan the books as it is moved along the shelf edge.</li> <li>• The device's touchscreen panel should display information relating to the current task.</li> <li>• It should support both audio and visual notifications.</li> <li>• The device should allow the user to navigate through the onscreen menu.</li> <li>• The system should provide an effective read range of up to 10-15 cm</li> <li>• The system should support scanning rate of between 50-60 items of library shelving per minute</li> <li>• The system should be able to import .txt and .csv files to use as 'search' records.</li> <li>• The vendor should provide OEM software for the handheld reader at no additional charges. In case of any system failure, the library staff should be able to install the software and configure the system by themselves.</li> <li>• The handheld reader should be UL-certified and should meets the EU, WEEE and RoHS Directives</li> <li>• The Handheld reader should come with preinstalled Windows CE Operating</li> </ul>		

		<p>System</p> <ul style="list-style-type: none"> <li>• The Handheld reader should support for microSD Card Slot</li> <li>• The Handheld reader should have desktop charging cradle with USB Connection</li> <li>• The Handheld reader Standard Compatibility – ISO /IEC 1563 &amp; 18000-3</li> </ul>		
6.	<b>Control System</b>	<ul style="list-style-type: none"> <li>• There should be a central administration tool provided with the above mentioned hardware components to remotely monitor, report and configure the RFID devices.</li> <li>• The control system should be on a hosted server so that it can be accessed remotely from any computer with internet access.</li> <li>• All network communication should be secured through https connections (SSL security certificate).</li> <li>• The system should allow for individual configurable access rights.</li> <li>• Login should take place with ID and PW. Certified library staff users should be able to manage different security groups and given specific access rights</li> <li>• There should be no limitation on the number of library staff users that can get access rights. One should have the possibility to dedicate certain users or certain types of equipment to certain users</li> <li>• The control system should be able to receive event and error messages from devices, e.g. a kiosk's printer running out of paper.</li> <li>• The control system should enable users to look at the current status of devices and their main components and make diagnostics.</li> <li>• The control system should provide statistics of utilization, i.e. transactions per time unit, whereby the time intervals can be set. The statistics can be exported into various standard formats i.e PDF, Word, Excel, HTML, Text, XML.</li> <li>• The control system should enable the certified user to change the configuration of devices - and set the time for concurrent downloading of updated software to all devices within the library network.</li> <li>• There should be a provision in the RFID hardware components to cache the data before being uploaded to the control system. This should allow data to be held indefinitely in the event of a communication failure and then sent when communication is re-established.</li> <li>• The control system should be able to send email or alerts to the Library User if any device failure also the library user can define the email time interval.</li> <li>• The control system should allow device configuration to be changed from a single source and then deployed without needing to visit that device to update configuration locally</li> <li>• The control system should give the options to the library staff of whether or not to upgrade RFID device software</li> <li>• The control 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.</li> </ul>		
7	<b>RFID Book Drop Box</b>	<ul style="list-style-type: none"> <li>• Check In RFID Reader ( Ethernet) integrated</li> <li>• standard Books receiving Cart</li> <li>• Ethernet High Speed plane paper Printer</li> <li>• Client Software for checking-in facility and communicating with KOHA Software with provision for E-mail/SMS confirmation</li> <li>• Should have automatic hutch which should open only on valid RFID tags and close once the book has been accepted to prevent the patrons from removing checked in books</li> </ul>		
8	<b>RFID enabled PVC cards</b>	<ul style="list-style-type: none"> <li>• RFID smart card,ISO 14443A based Mifare</li> <li>• cards with 1024 Bits Memory , patron's demography, official</li> <li>• contacts, database to identity cards with inclusive of all</li> <li>• standard components and features., standards size with HardPlastic color</li> </ul>		

		Printing both side Edge to edge printing & Accepted Card Thickness 10 to 40 mil <ul style="list-style-type: none"> <li>• Combined MIFARE® ISO 14443 (13.56 MHz) and ISO 7816</li> <li>• Contact Encoder Specifications – PC/SC and EMV level 1</li> <li>• certified (50 card capacity [30 mil] external output hopper)</li> <li>• Encoding over USB and Ethernet</li> </ul>		
9	<b>RFID Smart Card System as</b>	<ul style="list-style-type: none"> <li>• The smart cards should be 1kb Mifare Plus cards with preprinting on both sides (Supply of preprinting to be approved by the Department)</li> <li>• The smart card must be for multipurpose use by the library users.</li> <li>• 1k byte EEPROM Unique serial number</li> <li>• 16 securely separated sectors supporting multi- application</li> <li>• Each sector consists 4 blocks with a length of 16 Byte</li> </ul> 2 x 48 bit keys per sector for key hierarchy <ul style="list-style-type: none"> <li>• Access conditions free configurable based on 2 level key hierarchy</li> <li>• ISO 7818</li> <li>• Compliant with other related ISO standards.</li> <li>• Printer with logo and a photograph with demographic details</li> </ul>		

**ANNEXURE – VI**  
**PRICE BID**

**PRICE BID CERTIFICATION**

To,

The Registrar and Chairman, CPC  
BCKV, Mohanpur, Nadia, Pin-741252

I/We hereby agree on the acceptance of this tender by to the Registrar & Chairman Central Purchase Committee, Administrative Building, 2nd Floor, Bidhan Chandra KrishiViswavidyalaya, Mohanpur, West Bengal-741252 for the Supply, Installation & commissioning of RFID System to BCKKV Central Library in accordance with the terms and conditions of contract stated in the tender document, the equipment hereunder named of the quality and sort and at the rates or price specified in Annexure – VIII.

Signature :

Name :

Designation :

Name of the Agency :

Address of the tenderer :

Seal of tenderer :

Date :

Place :

**PRICE BID****‘Supply, Installation & Commissioning of RFID System and Integration with Koha Library Management System’ to Central Library, BCKV, Mohanpur, West Bengal-741252**

(As per details specification given in technical bid)

SI	Description	Qty.	Unit
1	RFID Book Tags and Antitheft Stickers (University logo Printed)	40000	Pc.
2	RFID Staff Station	1	Pc.
3	RFID Self check free standing kiosk	1	Pc.
4	Transparent RFID Security Gate with metallic base plate dual aisle	1	Pc.
5	RFID Stock/inventory hand held Reader	1	Pc.
6	RFID Book Drop Box	1	Pc.
7	Below RFID Smart Card System		
7.1	Smart Card Reader	1	Pc.
7.2	Smart Card Printer	1	Pc.
7.3	Full Color Ribbons	1	Pc.
7.4	Cleaning Kit	1	Pc.
7.5	Web cam	1	Pc.
7.6	RFID Smart Card	2000	Pc.
7.7	Digital Signature Pad	1	Pc.
8	Control System	1	Pc.

- Note :**
- Job work: Complete installation and complete successful implementation (Fixing RFID Tags, Registering Accession No. on Tags & protecting RFID stickers with Logo), Integration with all RFID and other devices to each other, Hands-on-training (with manuals/guide), Integration with Koha LMS.
  - 3 years Warranty and onsite maintenance
  - The quantity shown against each item is approximate and may vary as per demand of the University at the time of placing order
  - Price: - Prices should be inclusive of all taxes. Items quoted must be as per the specifications given in Annexure.

**TECHNICAL BID** :Document to be submitted:

- I. Earnest Money Demand Draft for Rs 35,000/- (separate DD)
- II. Tender document along with compliance to the technical specifications filled and duly signed without mentioning the rates. (To be filled, signed and attached with Technical Bid)
- III. Work completion period (within 15 days after receiving the work order)
- IV. Firm / Company Registration/ GST Registration NO (Copy of certificate to be attached)
- V. PAN Number (Copy of certificate to be attached)
- VI. Have you ever been debarred by any Govt. Organization/PSU educational institute : Yes/No
- VII. Certificate regarding carried out similar works in the last 03 years: (Copy of certificate to be attached)
- VIII. Turnover not less than 20 lacs per annum for Three years for financial year 2015-16,2016-17 and 2017-18
- IX. The catalogue of the items quoted should be attached
- X. Undertaking duly signed by the tenderer.
- XI. Declaration duly signed by the tenderer.
- XII. The Tenderer should provide warranty/guarantee and Free Service for a period of minimum Three years from the date of installation. Undertaking to this effect shall be furnished in Annexure VI.
- XIII. The Original Equipment Manufacturer (OEM) should have been in existence for at least 15 years. Yes/No
- XIV. The tenderer has to furnish minimum two references of Libraries/Institutes of repute wherein the RFID system successfully implemented by them. Such references should complete in all respect with email and contact details.

**All the copies of documents mentioned above to be sealed in the technical bid cover along with EMDTenders not accompanied with above information & documents in support of the same may be summarily rejected.**