

**NOTICE INVITING TENDERS**  
**(NATIONAL COMPETITIVE BIDDING)**  
**SHIVAJI COLLEGE, UNIVERSITY OF DELHI**  
**RING ROAD, RAJA GARDEN**  
**NEW DELHI -110027**

1. Online bids are invited on single stage two bid system for “Tender for supply, testing and installation of Complete RFID based library System (All the RFID components chosen for complete solution must conform to ISO 15693/18000-3 compliant) in accordance with the equipment and works listed below”. **Manual bids shall not be accepted.**

2. **Document Download:** Tender documents may be downloaded from Shivaji College, University of Delhi web site <http://www.shivajicollege.ac.in/tender.php> and CPPP site <https://eprocure.gov.in/eprocure/app> as per the schedule as given in CRITICAL DATE SHEET as under.

**CRITICAL DATE SHEET**

<b>Published Date</b>	<b>31.05 .2019 (05.00 PM)</b>
<b>Bid Document Download</b>	<b>31.05 .2019 (05.30 PM)</b>
<b>Bid Submission Start Date</b>	<b>01.06 .2019 (10.30 AM)</b>
<b>Bid Submission End Date</b>	<b>20.06.2019 (10.00 AM)</b>
<b>Technical Bid Opening Date</b>	<b>21.06 .2019 (10.30 AM)</b>

3. **Bid Submission:**

Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>.

Tenderer/Contractor are advised to follow the instructions “Instructions To Bidder for Online Bid Submission” provided in the Annexure “Tender for supply, testing and installation of Complete RFID based library System” for online submission of bids - .

Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

4. Not more than one tender shall be submitted by one contractor or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

5. The college has discretion to relax any of the condition mentioned in tender document and/or increase any criteria to short list the bidders during scrutiny of tender.

6. Tenderer who has downloaded the tender from the Shivaji College, University of Delhi website <http://shivajicollege.ac.in/Staffctrl/Tender> and Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app> , <https://eprocure.gov.in/epublish/app> **shall not tamper/modify the tender form including downloaded price bid template in any manner.** In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with Shivaji College .

7. Intending tenderers are advised to visit again Shivaji College website <http://www.shivajicollege.ac.in/> and CPPP website <https://eprocure.gov.in/eprocure/app> **regularly till closing date of submission** of tender for any corrigendum / addendum/ amendment.

8. Applicant vendor must provide demand draft for Rs 5,000/- (Rupees Five thousand only ) in favour of **Principal, Shivaji College, payable at New Delhi** from any Nationalized/ scheduled Bank valid for six months with their application/downloaded tenders as the cost of tender forms/ documents. The all applicable bank charges shall be born by the applicant and he shall not have any claim what so ever on this account on Government. In case of re- tendering, the firms which has submitted the DD in earlier calls will require to submit DD along with their tender/application in subsequent calls also. Tender not accompanied with the cost of tender documents is liable to be rejected. However, public sectors undertaking / Govt undertaking firms are exempted from the payment towards cost of tender documents.

**EMD Payment:**

Earnest Money Deposit of Rs. **1,00,000/-** is to be deposited through Demand Draft in favour of Principal, Shivaji College, payable at New Delhi. Bidders are required to submit the details of EMD payment at the time of Bid Preparation.

*Micro and Small enterprises (MSEs) Units registered with NSIC under their Single Point Registration Scheme for the goods/services at NSIC are exempted from furnishing the Bid Security deposit /Tender fee. They should furnish with the Bid (offline) a Notarized copy of the valid registration certificate issued by NSIC in their favors, for the goods/services covered under this Tender document. No other bidders are exempted from furnishing Bid Security/ EMD as mentioned above*

9. The **Hard Copy of original instruments** in respect of cost of tender document, earnest money, original copy of ITRs, and Audit Reports( last three years) must be delivered to the **Principal, Shivaji College, Ring Road, Raja Garden, New Delhi – 110027 on or before bid opening date/time as mentioned in critical date sheet.** Tenderer shall likely to be rejected for non-submission of original payment instrument like DD,etc., against the submitted bid. The Demand Draft attached/submitted for tender fee shall be non-refundable.

10. The bidders should have the minimum average annual turnover of Rs 5 Crores (receipts from RFID automation system integration )\_in the last 3 financial years (2015-16 and 2016-17 and 2017-18). Certificate from Chartered Accountant for supporting the same shall be submitted

**Or**

The Bidders should have ten years' experience in the field with minimum 10 live sites (preferred higher academic institutions/ Government Departments/Reputed Private Institutions) where library RFID automation

system integration with KOHA is in operation at least for last three years. Relevant proof for supporting (like copy of MOU, work/job order etc) the above shall be submitted.

**Or**

The Bidders who have already completed at least three similar nature of contract of value Rs. 50 Lacs in a single contract in Govt., Semi Govt., Govt. Undertakings, and Govt. Autonomous Organizations / Institutes. Relevant proof for supporting (like MOU, work order etc) the above shall be submitted.

**And**

The Bidders should submit for the three years audit report ITR and GST Return for the last six months. (**Hard copy to be submitted before closing date**)

11. Bids will be opened as per date/time as mentioned in the Tender Critical Date Sheet. After online opening of Technical-Bid the results of their qualification as well Price-Bid opening will be intimated latter
12. The bidders shall at its own cost, if required, take necessary insurance cover in respect of the aforesaid services rendered to College and shall comply with the statutory provisions of Contract Labour (Regulation & Abolition) Act, 1970; Employees State Insurance Act, Workman's Compensation Act, 1923, payment of Wages Act, 1936, The Employees Provident Fund (and Miscellaneous Provisions) Act, 1952; Payment of Bonus Act, 1965. The Minimum Wages Act, 1948, Employment of children Act, 1938 and/or any other Rules/regulations and/or statutes that may be applicable to them and shall further keep the College indemnified from all acts of omission, fault, breaches and/or any demand; loss; injury and expense arising out from the non-compliance of the aforesaid statutory provision.
13. **Security:** - Balance of 10% of the amount shall be retained as Security Deposit, towards satisfactory performance of the hardware & software and which may be released on submission of a performance bond supported by a Bank Guarantee from Nationalized Bank of India for the 10% of the total contract/ purchase value, for the duration of the Warranty period. It will be released only after satisfactory performance report from the competent authority. No interest shall be payable on it. This may be adjusted in case of any dues / damages/penalty are reported during the tenure of contract period.
14. **Period :-** Supply, testing and installation of Complete RFID based library System contract will be completed within three months from the date of award of contract.
15. **Penalty:** - In case of non-compliances of any terms & conditions mentioned in tender documents, penalty may be imposed from 5% to 20% of billing amount.
16. **Payment Terms :-** Out of total contract/ purchase price the payment will be released as per following break-up upon receipt of satisfactory report from competent authority on each & every occasion:
  - (i) 70% of the amount on satisfactory installations and commissioning of the RFID System
  - (ii) 10% of the amount on successful integration of RFID system with ILMS.

(iii)10% of the amount on successful training to the Staff

17. Base rate quoted in BOQ should be **inclusive of all the taxes** by whatever name called.

18. Additional terms & conditions:

- i. All RFID Equipment (Tags, Readers & Gates) should be from One RFID Manufacturer.
- ii. The bidder must be an Original Equipment Manufacturer (OEM) of RFID hardware components or an Authorized Distributor of OEM of RFID hardware components or a System Integrator having experience in RFID Solutions. Bidder shall submit certificate of Authorization from the Principal Manufacturing Company and self-declaration in case OEM is bidding for the tender.
- iii. Bidders shall ensure that proposed RFID system are compatible with ISO 28560, ISO 15693, ISO 14443A (Mifare standards) for smart card integration including future standards.
- iv. Bidder shall ensure that the proposed RFID System is compatible and should integrate with standard KOHA ILMS, Institute Management System, material management/delivery automated system and surveillance/security system using CCTV/Webcams to ensure possibility of expansion/modification in the operating environment in future.
- v. Bidder having proven compatibility with proposed Library Management Software using global protocols would be preferred. Certificate to be submitted.
- vi. In view of the integration plans of the proposed ILMS as a Library module with the Institute Management System bidder shall provide evidence of having technical experience in implementing & integrating complete RFID based solutions with multiple ILMS in academic libraries.
- vii. The complete solution provided by the bidder must include supply and installation of RFID components, integration, development and operationalization of hardware & software components and RFID consumables in an integrated manner with 2 years hardware warranty and complete software support.
- viii. Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices by the Bank / Recognized Government Body.
- ix. Bidder shall initially provide onsite RFID technical support personnel that are fully trained, factory authorized and certified by the manufacturer to reduce downtime. Remote support via email/fax/phone etc. should also be available as and when required free of cost.

- x. The Bidders are requested to furnish document to establish their eligibility for each of the above clauses. Relevant portion, in the documents submitted in pursuance of eligibility criterion mentioned above, should be highlighted. If tender were not accompanied by all the above documents mentioned, the same would be rejected.
- xi. The bid submitted by any bidder not fulfilling the eligibility conditions/ criteria stipulated above, will not be considered.
- xii. The Institute reserves the right to seek fresh set of document or seek clarification on the already/ submitted documents. Upon verification, evaluation/ assessment, if in case any information furnished by the Bidder is found to be false/ incorrect, their bid shall be summarily rejected and no correspondence on the same shall be entertained.
- xiii. All expenses of packing, forwarding, and freight, insurance in connection with delivery, repairs and replacement made within the warranty period should be borne by the vendor.
- xiv. Wherever packing cases are received in damaged condition, the vendor shall be responsible for any loss, damage, breakage etc. in transit and shortages.
- xv. Unloading of the items, un-skilled labour, which may be required at the time of installation of the items, should be borne by the vendor free of cost.
- xvi. The bidder will have to provide samples of Tags, Anti Theft Labels and of Smart Cards to be supplied to Institute.
- xvii. Installation Integration, Implementation, Commissioning & Training of the proposed system shall be initiated immediately by the vendor within 30 days of receiving of firm order.
- xviii. The warranty period shall be effective from the date of having completed successful Installation, Integration, Implementation, and Commissioning & Training on the system at the Institute premises.
- xix. Vendor will be fully responsible for standard integration using NCIPV2.0 protocol with KOHA ILMS and the performance of all components of the RFID materials and any malfunction/defective materials should be replaced free of cost during the warranty period.
- xx. Successful bidder shall fine tune all the components and overall RFID system during the warranty period with modularity, expandability and upgradeability in the overall system configuration without additional charge/cost. Free replacement of defective components during warranty period.

- xxi. The supplier shall give a comprehensive hardware and complete software support warranty for 2 years after successful installation & commissioning and no amount will be charged by the vendor for the same.
- xxii. Successful bidder shall be willing to constantly work with the integrated library management system vendor to reduce and resolve any RFID-ILMS functionality problems.
- xxiii. The quantity of the above items may defer subject to the Institutes actual requirements.
- xxiv. All supplies shall be FOR Shivaji College.
- xxv. All systems shall be compatible with ISO standards & NISO recommendations adopted globally meant for implementation of RFID systems in libraries.
- xxvi. Overall system configuration shall be open in terms of Modularity, Expandability and Upgradeability for future expansion/requirements.
- xxvii. The proposed system shall offer web-based remote monitoring and diagnostics which must include instant email notification, monitoring of check-in and out rates, web-based troubleshooting, and the ability to obtain statistics for each machine from any location.
- xxviii. All equipment required to be install/replace and maintain for smooth operation of the RFID System shall be available in India when required and shall be supplied by the vendor.
- xxix. Supplied hardware shall have provision to upgrade their firmware online.
- xxx. Bidders shall demonstrate that the resources (infrastructure) exist which are required to provide robust pre and post-sales support to RFID Materials Flow Management System.
- xxxi. Bidder shall clearly mention the responsibility and requirements if any from Library side.
- xxxii. Bidder should recommend an overall installation plan in co-ordination with the Library related with placement of hardware, accommodating network infrastructure, power and ventilation requirements, building restrictions, etc., so as to maximize the workflow and minimizing disruption of user's services including staff related daily work activities.
- xxxiii. Intending bidder may inspect the site before submitting the tenders during the office hours.
- xxxiv. Shivaji College also reserves the right to alter the scope of the work/reduce quantum of work before issue of order and the tenderer shall not have any claim what so ever on this account.
- xxxv. The quantity shown against each item is approximate and may vary at the time of placing order.

- xxxvi. Shivaji College reserves the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
- xxxvii. Canvassing directly or indirectly in connection with tender is strictly prohibited and the tenders submitted by the tenderer who resort to canvassing will be liable for rejection.
- xxxviii. Specifications of the hardware items given in these documents are the minimum requirement. The bidder may offer items with higher specifications. However, no price advantage for such specifications shall be given.
- xxxix. Quoting merely the lowest price does not confer any right to any bidder for award of supply order. Shivaji College reserves the right to select any bid under the grounds of specification compliance, technologically advanced quality, proven performance track record, brand reputation, service backup support, additional warranty, offer of additional / special features, Compatibility with the KOHA ILMS System, Training, etc.
- xl. The total cost of the project will be computed as a single value.
- xli. **The lowest bid will be decided considering the whole tender as a single unit.**
- xlii. (a) Delivery time: Installation of Hardware within one month.  
(b) Completion Time: Project implementation including training within 3 months.

***Other terms and conditions shall be mutually decided with the bidder at the time of finalization of contract.***

*gmpawan*

प्राचार्या / Principal  
शिवाजी महाविद्यालय / Shivaji College  
(दिल्ली विश्वविद्यालय) / (University of Delhi)  
राजा गार्डन, नई दिल्ली-110027  
Raja Garden, New Delhi-110027

*M. S. Acharya*  
*31st May 2019*  
*(Convener, Library Committee)*

## SUBMISSION OF TENDER

The tender shall be submitted online in two part, viz., technical bid and price bid.

All the pages of bid being submitted must be signed and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading.

The offers submitted by Telegram/Fax/email shall not be considered. No correspondence will be entertained in this matter.

### TECHNICAL BID

The following documents are to be furnished by the Contractor along with Technical Bid as per the tender document:

- 1) Signed and Scanned Copy of Tender fee and EMD.
- 2) Signed and Scanned copy of GST certificate, PAN No. EPF & ESI Registration No. , License certificate under the Contract Labour (Registration & Abolition) Act, 1970 etc.
- 3) Signed and Scanned Copy of Incorporation certificate shall be submitted. (like partnership deed in case of partnership firm, Memorandum and Article of Association in case of limited company, ownership certificate in case of sole of proprietary firm and Power of Attorney in favour of authorized signatory in case the firm is not a proprietary firm, Registration certificate /Trade licence certificate/ Enlistment certificate / Incorporation certificate in any Govt. deptt. / Statutory body / PSU).
- 4) Signed and scanned copy of supporting documents of the point 10 as indicated in NIT.
- 5) Signed and Scanned copy of Tender Acceptance Letter. (**Annexure -I**) and Technical data sheet (**Annexure -II**)
- 6) **Signed and Scanned Copy of:**
  - (i) Complete technical specifications and literature including process flow
  - (ii) Documents specifying manufacturers of various major parts/equipment with their mark/model
  - (iii) A clear statement regarding availability of after-sales service and availability of spare-parts for next 5 to 10 years should be included.
7. Scanned copy of valid latest Bank solvency certificate for Rs. 100.00 lakh (One crore only). The Bank solvency certificate should not be more than six months old.



## **PRICE BID**

- (a) Price bid undertaking
- (b) Schedule of price bid in the form of BOQ\_XXXX .xls

## **PRICE BID UNDERTAKING**

From: (Full name and address of the Bidder)  
To,  
The Principal  
Shivaji College, University of Delhi  
Ring Road, Raja Garden  
New Delhi -110027

Dear Sir/Madam,

I submit the Price Bid for **supply, testing and installation of Complete RFID based library System** and related activities as envisaged in the Bid document.

1. I have thoroughly examined and understood all the terms and conditions as contained in the Bid document, and agree to abide by them.
2. I offer to work at the rates as indicated in the price Bid, Annexure III inclusive of all applicable charges by whatever name called.

Yours Faithfully,

Signature of authorized Representative:

**TENDER ACCEPTANCE LETTER**  
**(To be given on Company Letter Head)**

**Date:**

**To,  
The Principal,  
Shivaji College, University of Delhi  
Raja Garden, Ring Road  
New Delhi - 110027**

**Sub: Acceptance in respect of Terms & Conditions of Tender Document of "Tender for ....."**  
**Ref: NIT NO- .....Dt. ....**

**Sir,**

- i. I/We have downloaded the tender document(s) for the above mentioned 'Tender/Work' from the web site <http://eprocure.gov.in/eprocure/app> .
- ii. I/We hereby certify that I/We have read all the terms and conditions of tender document (including all annexure(s), schedule(s), drawing(s), etc.), which shall part of the contract and I/We shall abide hereby all terms & conditions contained therein.
- iii. The Corrigendum(s) issued from time to time by your department/ organization too has also been taken into consideration while submitting this acceptance letter.
- iv. I/We hereby unconditionally accept all the terms and Conditions of above mentioned tender document and corrigendum(s) as applicable.
- v. In case fail to upload any documents in technical bid or any provisions of this tender are found violated, then your department/ organization shall without prejudice to any other right or remedy be at liberty to reject my bid including the forfeiture of earnest money deposit.
- vi. I/We confirm that our bid shall be valid up to 180 days as mentioned in this tender document from the date of opening of cover-1, Techno-commercial Bid.
- vii. I/We hereby certify that all documents have been uploaded as mentioned in NIT.
- viii. I/We hereby certify that all the statements made and information supplied in the enclosed Annexures and additional data etc. furnished herewith are true and correct.
- ix. I/We have furnished all information and details necessary for demonstrating our qualification and have no further prominent information.
- x. I/We understand that you are not bound to accept the lowest or any bid you may receive.
- xi. I/We certify that comply with the eligibility requirements as per Bid documents.
- xii. **I / We do hereby declare that there is no criminal legal suit pending or contemplated against us.**

**Seal and Sign of Agency**

**Name:**  
**Address:**

## TECHNICAL DATA SHEET

### Scope of Work & Technical Details

The following items/equipment and services need to be provided to the Institute.

Item No.	Product Specification
1	<p><b><u>Self Adhesive RFID Tags(For Books)</u></b></p> <p>a) The RFID chip used in the tag should have been designed specifically for Library use with lockable, re-write and multi-read features.</p> <p>b) Operating Frequency: 13.56 MHz.</p> <p>c) Tag size should be 80mm x 50 mm with at least 1024 bits memory, multi-read and inbuilt antitheft bit, flexible &amp; unbreakable in nature.</p> <p>d) Security function (EAS) for item anti-theft (which can be activated and deactivated)</p> <p>e) Tag size should be appropriate for books, loose periodicals /magazines etc.</p> <p>f) Distance for detection from pedestal upto 1mtrs (approx).</p> <p>g) Tags should be fully ISO 15693/18000-3 compliant.</p> <p>h) Detection rate of the systems should be above 95% consistently regardless of the number of items that are in the field.</p> <p>i) Warranty of Tags: Minimum 20 years for logic circuits and replacement of defective tags if found during the first time tagging.</p> <p>j) RFID Tags Mechanical Dimension (i) Transponder coil size 76 x 47 mm # 9.5mm</p> <p>k) Tags Electrical characteristics: (i) Integrated Circuit (IC): Philips I- Code-SLi, SL21CS20 (ii) IC's protocol/anti-collision: ISO 15693 /18000-3 (iii) Memory: 1024 bits R/W EEPROM</p> <p>l) General characteristics of transponder (i) Bending diameter (D) :&gt; 50 mm, tension less than 10 N. (ii) Static pressure (P): &gt; 10 MPa (10 N/mm<sup>2</sup>).</p>
2	<p><b><u>Institutional Labels: Good quality self adhesive labels of following specification</u></b></p> <p>(a) Good Quality, smooth face</p> <p>(b) Label printed with preset instructions</p> <p>(c) Size: Minimum half inch larger on all sides than the RFID tag</p> <p>(d) Strong permanent adhesive, which does not leach in to the paper of the book</p>

**Library Staff Station**

Library staff station with the following specifications:

- (a) Preferably should be a single unit consisting of reader & antenna and immune to metallic desks and electronic interferences.
- (b) Read/Write/Anti-theft programming should be done in one single operation.
- (c) Read/Write distance of around 25 cm and programming time of 1 second or less.
- (d) Should be fully compliant to ISO/IEC 14443A, ISO 15693 and ISO 18000-3 standards.
- (e) The programming station should interface with KOHA Integrated Library Management Software
- (f) The proposed system must be able to mount in, on, or under the work surface of library's circulation counter.
- (g) The proposed system readers must be able to process entry of new tags, issue & return of books and display the information thereon.
- (h) The proposed system must simultaneously process multiple RFID-tagged items for check-in/out.
- (i) The proposed system should have hot keys & must not require mouse activations to process most operations. (Exceptions made for configuration changes, error handling, or tag reprogramming situations).
- (j) Integrated with reader for patron ID Card based ISO/IEC 14443A Mifare for personalization of data into the ISO/IEC 14443A Mifare passive contactless 1Kb smart card in the pre-define location in the memory. The details of memory location in smart card will be provided at appropriate time.
- (k) NCIP compliance software interface/ integrated with integrated library management software for all operations like patron card personalization, check-in, checkout, renew, etc. of library circulation
- (l) Reader Specifications:
  - (i) Power Supply: 5/12 Volts.DC
  - (ii) Operating Frequency Reader Compatibility: 13.56 MHz
  - (iii) RF Input Power: 1-1.2W
  - (iv) Operative Temperature: 0 to 55C
  - (v) Storage Temperature: 25 to +60C
- (m) Client Software should support following features and is to be integrated with Integrated Library Management Software (ILMS).
  - (i) Tagging / Retagging after proper online validation of the title/member records in ILMS database.
  - (ii) Tag monitoring by accessing item record from ILMS data bases.
  - (iii) Patron Smart Card personalization monitoring by accessing patron ID from ILMS database.
  - (iv) Check out / Check in / Renewal.
  - (v) Provision for display of member photograph along with member details while transactions.
  - (vi) Provision for details of fine against a member.
  - (vii) Provision of sending sms, email, slip printing containing the details of a transaction.

4	<p><b>Self Check In Check-Out Kiosks Stations</b> It should consist of:</p> <ul style="list-style-type: none"> <li>a) Integrated Long range RFID Reader and Antenna with multiple Read/Write facility.</li> <li>b) High Speed Thermal Slip Printer.</li> <li>c) LCD Touch Screen Monitor (Capacitive Technology)</li> <li>d) Multi protocol firmware ISO/IEC 14443A, 15693 and ISO 18000 compliant.</li> <li>e) Communication interface – USB</li> <li>f) The Self Checkout station client software should interface with KOHA ILMS Software giving following features: <ul style="list-style-type: none"> <li>(i) Check out / Renewal / Check In</li> <li>(ii) Transaction status</li> <li>(iii) Transaction Print, sms &amp; email provision.</li> <li>(iv) Read/Write operation on Patron Cards.</li> </ul> </li> <li>g) Intelligent system for automatic judgment of nature of transaction.</li> <li>h) Provision for display of member photograph along with welcome message before performing any transactions.</li> <li>i) Provision of enquiry of checkouts against a user and its due date.</li> <li>j) Provision for enquiry of fines against users.</li> <li>k) Customized wood enclosure finishes with international standard kiosks dimensions.</li> <li>l) Elegant, state-of-the-art and sleek look with proper combination of color and materials.</li> </ul>
5	<p><b><u>Portable Shelf Management Reader / Inventory System</u></b></p> <ul style="list-style-type: none"> <li>a) Ergonomically designed Cordless PDA based Wi-Fi Handheld Inventory Reader integrated with chargeable battery (minimum 4 Hours life).</li> <li>b) The proposed system shall be fully compliant with ISO 15693/ISO 18000-3 Mode-1 standards &amp; supplied tags.</li> <li>c) Software Components: Client software for PDA. Also supply of compatible software for laptop &amp; PC.</li> <li>d) Features: Long lightweight handheld; performs stock-checking, re-shelving, and also locates specific items, sorting and monitoring of library material on shelf along with locating misplaced documents. To locate items that is out place on the shelves.</li> </ul>
6	<p><b><u>Two EAS Pedestal Library Security Gate</u></b></p> <p>Security gate should include two theft detection pedestals, which are interdependent of each other and also have an overlapping protection zones providing additional security. It is planned to install these pedestals at a single location in the library. The system should have suitable number of I/O ports for Standard electronic counter, web cam, trigger, CCTV, Locking gates, etc. The offer must be complete in all respects and must include all the components required for functional of the system. Library security gate with following specifications:</p> <ul style="list-style-type: none"> <li>a) Can be configured to detect different chip type simultaneously.</li> <li>b) Specific version include Ethernet interface, (No need to be linked to the library database) if EAS on detected, chip type, ID number, date and time are stored.</li> </ul>

	<ul style="list-style-type: none"> <li>c) A pedestal including 1 antenna set (2 antennas) for large detection field with electronic counter to count people with 1 electronic unit (controller) integrated into the pedestals bottom.</li> <li>d) Powerful DSP (Digital Signal Processor)</li> <li>e) Chip Compatibility:ISO15693-3/ISO 18000-3</li> <li>f) Detection and Security corridors must be in compliance with relevant ADA requirements for wheel chair clearance and reach range standards.</li> <li>g) Detection Range: Upto 1 mtr (approx) between two pedestals (application dependent).</li> <li>h) Security Modes Alarms: EAS &amp; AFI lights and buzzer located both the pedestals.</li> <li>i) People Counter: Counts in/out traffic located at the bottom of the pedestal.</li> <li>j) Communication interface: RS232/RS422/RS485 or Ethernet.</li> <li>k) Casing: High quality plastic</li> <li>l) Operating Temperature: 0° to 55°C Required Features:</li> <li>m) The proposed system should read the tag in all three orientations between the gates i.e. for EAS bit and/or AFI bit with ALL or ANY as configurable option.</li> <li>n) The proposed system must use 13.56 MHz ISO 15693-3/ISO 18000-3 mode1 RFID technology.</li> <li>o) Tags with theft or security bits that are “on” must immediately trigger an alarm.</li> <li>p) The proposed system must provide item security even when the Library Management System or network is off-line or not functioning.</li> <li>q) The proposed system must be aesthetically suited to current library décor.</li> </ul>
7	<p><b>SMART Cards For ID Cards</b></p> <ul style="list-style-type: none"> <li>a) The smart cards should be pre-printed smart cards carrying institutions logo &amp; name, users photograph with users details, signatures and instructions etc. to be provided by the College. The card can be used as common campus ID cards.</li> <li>b) ISO/IEC 14443A Mifare passive contactless 1 Kb memory with the offered RFID system for membership/patron using standard protocol of NCIP for Read/Write/Rewrite.</li> <li>c) Must be for multipurpose use.</li> </ul>
8	<p><b>RFID Book Return Station</b></p> <ul style="list-style-type: none"> <li>a) 24 hrs operation should be possible</li> <li>b) Minimum 100 books bin to be provided</li> <li>c) Real time check in should be processed</li> <li>d) High Speed Thermal Slip Printer</li> <li>e) 15” or higher LCD/LED Touch Screen Monitor using Capacitive Technology</li> </ul>

9	<p><b>Hands-on-Training (On-Site) with Manuals/Guide</b></p> <ul style="list-style-type: none"> <li>a) Comprehensive in-house operational training for all equipments and front end interface.</li> <li>b) Training for Handling of RFID Tagging on documents and registration of Smart ID Cards.</li> <li>c) Troubleshooting training</li> <li>d) Complete Write-up/Manual/Guide for operation and handling of all RFID equipments.</li> <li>e) Training to be given to all Library Staff &amp; Library Users.</li> <li>f) Shall depute technical personnel on site up to period of 1 month so as to support, train and resolve any issues that may arise due to the implementation of RFID system.</li> </ul>
10	<p><b>Tagging Job Work</b> Job involves the following steps:</p> <ul style="list-style-type: none"> <li>a) Coordinating with library for tagging of books, journals, loose issues/magazines, CDs, DVDs, etc.</li> <li>b) Removing the documents from Shelves.</li> <li>c) Verifications of following Bibliographic data from ILMS database and physical documents: <ul style="list-style-type: none"> <li>(i) Accession Number</li> <li>(ii) Class Number</li> <li>(iii) Location</li> </ul> </li> <li>d) Tagging of RFID tags with the following parameters using ILMS database: <ul style="list-style-type: none"> <li>(i) Primary data as Accession number mentioned on the book or barcode labels on the documents.</li> <li>(ii) Associated data to be fetched using ILMS like Class No. Location, Library Code, date of entry, etc.</li> </ul> </li> <li>e) Fixing self-adhesive RFID tag &amp; anti theft stickers at the designated place of in the documents.</li> <li>f) Verification of data stored in the RFID Tags</li> <li>g) Generation of reports of currently tagged items.</li> </ul>
11	<p><b>Smart Card Printing System</b></p> <ul style="list-style-type: none"> <li>a) Sided printing : Dual</li> <li>b) Resin Thermal Transfer</li> <li>c) 300 dpi</li> <li>d) 26 second per card/138 cards per hour (YMC with transfer)</li> <li>e) Accepts CR80 card size</li> <li>f) Card Lamination Module-single-sided or dual sided (simultaneous)- upgradable</li> <li>g) Smart Card encoding (contact/contactless)-upgradable</li> <li>h) Ethernet interface</li> <li>i) Card Printing Software connected to KOHA ILMS</li> </ul>

**Schedule of price bid in the form of BOQ\_XXXX .xls**

The below mentioned Financial Proposal/Commercial bid format is provided as BoQ\_XXXX.xls along with this tender document at <https://eprocure.gov.in/eprocure/app> . Bidders are advised to download this BoQ\_XXXX.xls as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid. **Bidder shall not tamper/modify downloaded price bid template in any manner.** In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with college.

**BILL OF QUANTITY**

No.	Description of Product/ Service	No. of Units	Rupees Per Unit	GST per Unit	Total amount per unit
<b>A</b>	<b>Complete RFID implementation components</b>				
1	Staff Station Reader	02			
2	Gate Antenna System	01			
3	RFID Handheld Reader	01			
4	Self check In check out Kiosk	01			
5	RFID TAGS – Books	1,00,000			
6	Institutional Labels	1,00,000			
7	RFID Smart Cards (Mifare)	6000			
8	RFID Book Drop Station	01			
9	Tagging job work	1,00,000			
10	Smart Card Printer	01			
11	Integration Charges	01			
12	Comprehensive hardware and complete software AMC for 1 year after 2 years of warranty period				

1. The rates shall be quoted in Rupees.
2. Base rate quoted should be **inclusive of all the taxes (G ST etc.)** by whatever name called.
3. In case of any discrepancy/difference in the amounts indicated in figures and words, the amount in words will prevail and will be considered.
4. The payment will be made to the vendor at any Bank Account maintained in India by way of ECS/RTGS after statutory deductions.

Signature of authorized  
Representative: