



NATIONAL INSTITUTE OF FASHION TECHNOLOGY
(A Statutory Institute under NIFT Act 2006)
NIFT Campus, Rajiv Gandhi Salai, Chennai – 600113

Date: 02.02.2021

Notice Inviting Tender
Two Bid System

National Institute of Fashion Technology (NIFT), Chennai invites Tender in **two Bid** systems for supply and installation of **“RFID Library Security System” under buyback of old AM based Library Security system** to NIFT Chennai Centre **from the Manufacturers, Authorized Dealers of the same material/equipments** as per details of document. The tender notice and tender document is also available for viewing on the “tenders” link of the NIFT website i.e. <https://nift.ac.in/chennai>. The Tenderers are requested to read the instructions in the Tender document; Terms and conditions carefully before quoting the rates in Tender Schedule and comply with the same there after amendments made if any. Application to this tender will be deposited at Tender box placed at NIFT Chennai at Room No.41. No other mode of tender shall be considered as such tender shall not be accepted. The NIFT Chennai reserves the right to accept or reject any / or all the tenders/quotations from any or all parties without assigning any reason.

- **Last date for receipt of tender: 01.03.2021 up to 2.00 pm (Tender document should be handed over to Security Main Gate)**
- **Date of opening of tender (Technical bid) : Will be intimated separately over email / phone due to prevailing pandemic situation (Participants may specify clearly the contact email id & phone no. over the envelop)**
- **Earnest Money Required: Rs. 30,000/-** in the form of DD in favour of NIFT, payable at Chennai.
- Tender Document may be downloaded from NIFT website, <http://nift.ac.in/chennai> at free of cost.

(Admin & Purchase i/c)
NIFT-Chennai
044-22542770/ 044-22542627



NATIONAL INSTITUTE OF FASHION TECHNOLOGY
(A Statutory Institute under NIFT Act 2006)
NIFT Campus, Rajiv Gandhi Salai, Chennai – 600113

Date: -----

1. INTRODUCTION

National Institute of Fashion Technology (NIFT) is a statutory Body governed by the NIFT Act 2006 & set up by the Ministry of Textile, Govt. of India for the promotion and development of education and research in field of Fashion Technology. NIFT provides Fashion business education across the country through its network of 16 centres. NIFT has its head office at New Delhi with its campuses located at Bengalure, Bhopal, Bhubaneswar, Chennai, Gandhi Nagar, Hyderabad, Jodhpur, Kangra, Kannur, Kolkota, Mumbai, New Delhi, Patna, Raebareli, Shillong and Srinagar. NIFT, Chennai centre is established in the year 1995 with undergraduate and post graduate programmes. NIFT Donations are exempted u/s 80 (G) of Income Tax Act. and registered with DSIR, NIFT is entitled for Custom/Central Excise duty Exemption.

2. Notice Inviting Tender

National Institute of Fashion Technology (NIFT), Chennai invites Tender in two Bid systems for supply of **“RFID Library Security System” under buyback of old AM based Library Security system** for its Resource Centre in NIFT Chennai campus from the Manufacturers, Authorised Dealers of the same equipments as per details given below. The Tenderers are requested to read the instructions in the Tender document; Terms and conditions carefully before quoting the rates in quotations/Tender schedule and comply with the same there after amendments made if any. Application to this tender should be deposited at NIFT Chennai superscription “Tender Document for RFID Library Security System”. No other mode of tender shall be considered and such tender shall not be accepted.

Submission of Bid:

Last Date of Tender	01.03.2021 up to 2.00 pm
Date and time of opening of tender (Technical Bid)	Will be intimated separately
Opening Date and Time of Financial Bid(s)	Will be intimated separately over email / phone due to prevailing pandemic situation (Participants may specify clearly the contact email id & phone no over the envelop)
Earnest Money Required: Rs.30,000/-	in the form of DD in favour of NIFT, payable at Chennai to be sent in the envelope on or before last date



3. General Essential terms & conditions

1. The interested bidders should submit their tender and bids along with copies of all the relevant certificates and documents etc. in support of technical bids duly signed till 01.03.2021 up to 2.00 pm. Tender document is available at NIFT Chennai website i.e. <https://nift.ac.in/chennai>.
2. The Tenderers are requested to read the instructions in the Tender document; Terms and conditions carefully before quoting the rates in quotations / Tender Schedule and comply with the same there after amendments made if any.
3. Only the Technical Bids will be opened on the date of tender opening date. Price bids of only those bidders will be considered for opening whose offer is complete and technically acceptable in all respects.
4. The name and address of the tenderer shall be clearly written in the space provided in tender document. The tender should be filled in and submitted in strict accordance with the instructions laid down here in; otherwise the tender is liable to be ignored.
5. The tender is liable to be ignored if complete information is not given there-in, or if the particulars and data (if any) asked for in the Schedule to the tender are not filled in.
6. **Offers received without earnest money or with earnest money less than the amount specified above shall be summarily rejected.**
7. MSME and Startups Organization participating in the tender are exempted from depositing EMD. Firms claiming exemption from depositing earnest money must enclose copies of their registration MSEs/MSME details validity as on the date of tender opening along with all its amendments for the subject stores. Offers received without these details or without earnest money will liable to be ignored.
8. The Earnest Money of the successful tenderer shall be returned after the security deposit as required in terms of tender is furnished by the tenderer. The Earnest Money to other than lowest bidders will be returned after finalization of the L-1.
9. The Earnest Money deposited is liable to be forfeited if the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of his tender. If the successful tenderer fails to furnish the security deposit as required in the contract within the stipulated period, the EMD shall also be liable to be forfeited by the Purchaser.
10. **The supplier to whom order will be placed have to submit the Performance security (i.e. 5% of the value of contract/items) in the form of Demand Draft/BG drawn in favour of NIFT, payable at Chennai & should be valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier. Else 5% amount of the value of the contract shall be retained from the final bill of the supplier as a performance security which will be released after 60 days beyond the date of completion of all contractual obligations (till the warranty period) of the supplier. In case of successful Tenderer, Earnest Money Deposit if paid, may be adjusted towards Performance Security payable.**
11. Late tenders will not be considered.
12. Dispute, if any, arising out of the supply of Items shall be settled by mutual discussion or arbitration by sole Arbitrator to be appointed by NIFT as per the provisions of the Indian arbitration and Conciliation Act, 1996 and the Rules framed thereunder. Any Arbitrator appointed



- shall not have the jurisdiction to pass any interim awards, or to grant interest higher than 8% charged simply on the award amounts, or amounts payable to either party.
13. Tender shall be accompanied by the relevant documents covered in the tender.
 14. The full & final payment shall be made after delivery and successfully installation of all the equipments at NIFT Chennai Centre.
 15. The supplier shall ensure that he himself or his authorized representative is available for proper handing over the supplies/consignments at NIFT Chennai.
 16. The agreement will be valid for the delivery as incorporated in the tender document. This should be strictly adhered to.
 17. The specification of items required as per **Annexure "B"** of Technical bid and the evaluation of bid will be on the basis of total bid value. The rates quoted should be on the basis of free delivery to the consignee.
 - 18. Tenderer must have to quote each and every item given in the tender, the consolidated rates will not be considered and tender will be rejected.**
 - 19. The supply order will be issued to the bidder on the basis of overall total quoted lowest price.**
 20. The rates quoted should be on FIRM & FIXED basis.
 - 21. Make and Model must be clearly mentioned in the technical bid. If they are not found in the technical bid, the bid shall be rejected.**
 - 22. Delivery and installation is required to be completed within 60 days from the date of issue of supply order.**
 23. For any imported item(s) the vendor/Agent should have an authorization certificate from the Manufacturing company and should enclose a copy with the Technical bid.
 24. The NIFT is registered with the DSIR for the purpose of availing customs duty exemption in terms of Govt. Notification No. 51/96-Customs and Central Excise duty exemption in terms of Govt. Notification no. 10/97-Central Excise as amended from time to time. The duty charges to be paid accordingly in case of imported items.
 - 25. Bidder must be registered for GST & PAN/Income Tax and should enclose copies of relevant certificates.**
 26. The bidder must have successfully installed RFID in minimum 10 Govt / Govt aided institutions within India proof to be provided/RFID equipment ordered value of not less than Rs.8 Lakhs each in the last five years in any State/Central govt. /PSU Institute or organization. The Bidder must submit documentary evidence in support of the above statement.
 - 27. The bidder should have annual turnover of at least 50 Lakhs per year for each of last three financial years i.e. 2016-17, 2017-18, and 2018-19. The CA certification for the same should be submitted as proof.**
 28. The equipments and accessories supplied should be New and Unused.



- 29. Successful bidder should furnish Five years onsite warranty and vendor should provide free service from the date of installation/commissioning whichever is later for any manufacturing defects during that period.**
30. Lowest bidder to whom supply order will be issue must ensure that delivery must be completed within the stipulated time, failing which 0.5 % (Half Percent) of the value of delayed goods will be levied per week subject maximum of 10% of the ordered value. If requested by the Tenderer it is the discretion of the Director, NIFT, Chennai to grant extension of time with penalty/without penalty and to purchase the stock from any other source at the prevailing market rate at the risk and responsibility of the successful tenderer and to claim any loss sustained by NIFT, Chennai in the transaction from the tenderer besides forfeiting Earnest Money Deposit /Security Deposit.
31. Installation of the RFID system will be carried out free of cost by supplier at consignee's place (NIFT, Chennai).
32. NIFT, is statutory Institute under NIFT Act 2006, governed under the Ministry of Textiles, Govt. of India. The equivalent will be used for educational purpose, if any educational discount is applicable, may be mentioned clearly in price bids.
33. NIFT Chennai reserves the right to change the quantity/drop any item or part thereof at any time before placing the purchase order.
34. A penalty as decided by the Competent Authority of NIFT for the items shall be payable & the same shall be deducted from his bill or security deposit as the case may be, for any defect in the equipment later on during the currency of warranty not set right or for non-compliance of any terms & conditions other than time clause by the supplier.
- 35. Tenderer must be OEM or dealer for the quoted brand of RFID system. The authorization dealer certificate from the OEM for the quoted brand of RFID System must be attached.**
36. The Old AM based Library Security system under buyback shall be taken by selected bidder (L-1) at their own cost in the quoted buyback price.
37. National Institute of Fashion Technology, Chennai reserves the right to accept or reject any or all the offers either fully or partly without assigning any reasons.
- 38. In case of any doubt during technical evaluation, clarification may be sought by NIFT after the approval from the competent authority.**

(Admin & Purchase i/c)
NIFT Chennai



Date: -----

4. Other Technical Term & condition

1. The bidder is required to supply, install and commission the RFID System at NIFT-Chennai, as per the specifications and conditions specified in the different parts of this Tender document.
2. The successful bidder shall give comprehensive hands on Training to the officials of NIFT-Chennai on operations, preventive maintenance and configuration of RFID system.
3. The Original Equipment Manufacturer (OEM) should have been in existence for at least 10 years in Library Automation Solutions.
4. In case of non OEM bidder, the bidder should submit an authorization letter from the OEM, specific to this tender without which the bid will be considered invalid.
5. The bidder should have technical resources who have been trained and certified by the OEM. The bidder should submit a letter from OEM to this effect. The letter should be specific to this tender.
6. For standardization of equipment, all the RFID items in the bid have to be from the same OEM. A tender specific letter with current date from OEM needs to be submitted with product name and model numbers.
7. No middleware applications should be used to integrate RFID equipment with the LMS. OEM has to submit an undertaking along with the bid stating the same.
8. If OEM is not present in India, then the OEM's Authorized Reseller(s) will be allowed to bid for the project.
9. Bidder will have to integrate the proposed solution with e-Granthalaya LMS currently being used at the library.
10. If the library wishes to change the LMS in the future then the integration of the chosen LMS would have to be facilitated by the Bidder.
11. Bids shall be considered only in those cases where the bidder has quoted for the entire scope of the work.
12. Brochure and OEM specifications sheets of quoted items should necessarily accompany the offer.
13. The vendor should have the qualified engineers/ staff to attend to after sales service at the NIFT Chennai.
14. Successful vendor should furnish Five years onsite warranty and vendor should provide free service from the date of installation/commissioning whichever is later for any manufacturing defects during that period.
15. All the electrical services/ points/ socket should be installed/fixed by vendor if required during installation of RFID System. If civil work will required during installation, vendor will be required to do that.



16. All the Bidders may inspect the location where the RFID system are to be installed at NIFT Chennai centre and quote accordingly.

Product Criteria

1. All RFID hardware items should be manufactured by a single OEM.
2. Only High Frequency (HF) RFID products should be supplied.
3. The RFID system should integrate with the Library's LMS through SIP2 (Standard Interchange Protocol) only.
4. 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.
5. 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.
6. Any proprietary based saving of information of RFID Tags will not be accepted and bid will be disqualified.
7. All the RFID components chosen for complete solution must conform to ISO 15693, ISO 18000-3 Mode 1.



Date: _____

Annexure "A"

TECHNICAL BID

1. Name of the Company:
2. Whether the company is OEM or authorized dealer:
3. Name of the authorized person (who signs on the tender document):
4. Address of the Company:.....
5. E-mail ID:.....
6. Phone No. (Mob.).....Fax.....

Eligibility Criteria for Selection (Document to be submitted):

Sl. N.	Particulars	Proof Required	Attached at Pg. No.
1	Tender documents (1 to ___ pages) duly completed and signed but without indicating the rates as a mark of compliance of the bid conditions.	To be filled and signed	
2	The specification of items is required as per Schedule of Quantity as per Annexure "B" , must be attached along with Technical Bid.	Supporting Documents (i.e. Brochures/ Catalogues etc) in support of Technical Specification of the quoted item(s).	
3	Earnest Money deposit Rs. 30,0000/- (Date of DD must be after the publication of tender)	DD No.: Date: Amount:	
4	Copy of GST Registration certificate	Registration no: Validity up to:	
5	Copy of the PAN no. of the Firm	PAN No.:	
6	Delivery and installation Period (Maximum 60 days)	To be mentioned	
7	Copy of two Purchase Order for supply of similar Library Security system in at least two Govt. organizations/PSU/ Central Autonomous organization/institute for value not less than 8.0 lakh each in last 5 years.	Proof(Copy of order with work completion certificate) Required	
8	Copy of Dealer/OEM authorization certificate for the quoted brand of RFID system.	Copy to be submitted, if not OEM	
9	Annual turnover of at least 50 Lakh per year for each of last three Financial years i.e. 2017-18, 2018-19, 2019-20. CA certification to be enclosed.	Scan copy of CA certification to be enclose	
10	Existence of OEM for at least 10 years for providing such Library Automation solutions	Proof certificate to be enclose.	
11	Other relevant document as required technical terms of point no. 4-8 and others.	Relevant document to be enclose	



Date: _____

**Annexure “B”
Schedule of Quantity (Technical Bid)
(Technical Specification)**

A: New RFID Library Security System

S.No.	Particular	Specification/Feature	Brand & Model (To be quoted)	Qty
1	RFID Tags for Books	As per Annexure S-1		17000 Nos
2	RFID Tags for CDs, and DV Ds	As per Annexure S-1		1500 Nos
3	RFID Staff Station with Biometric	As per Annexure S-2		1 No.
4	RFID Security Gate	As per Annexure S-3		1 No.
5	Control System Software	As per Annexure S-4		1 No.
6	RFID Handheld Reader for in ventory management	As per Annexure S-5		1 Nos
7	Anti theft Stickers (Institutional Labels) including tagging and pasting on books	As per Annexure S-6		17000 Nos
8	Biometric system for entry and exit to the library	As per Annexure S-7		2 Nos

B: Old EM based Library Security System under buyback

S. N.	Particular	Specification/Feature	Make/ Model	Qty
1	Electromagnetic based Library Security System (Main gate with Work Station)	Electromagnetic based Library Security System with Anti Theft gate, Electromagnetic workstation	3M Main gate model 3501 and Work Station model 942	One Set

Note:

1. Make and Model for item sr. no. 1-8 must be clearly mentioned in the technical bid. If they are not found in the technical bid, the bid shall be rejected.
2. Tenderer must ensure that the items quoted by them are as per the specifications mentioned in the Annexures S-1 to S-7 duly filled the compliance statement.
3. All RFID hardware items should be manufactured by a single OEM.
4. Old AM based Library Security system under buyback shall be taken by selected bidder at their own costing in the quoted buyback price.



Date: _____

Annexure “C”

PROFORMA FOR PERFORMANCE BANK GUARANTEE (On stamp paper of appropriate value from any Nationalized Bank)

To,
**M/s National Institute of Fashion Technology,
Chennai**

Dear Sir,

In consideration of National Institute of Fashion Technology (hereinafter called as the Employer which expression shall include his successor and assigns having awarded to (here in after referred to as the said Contractor or Contractor“ when expression shall wherever the subject of context so permits include its successors and assigns) a contract No. In terms inter alias, of the NIFT“s Letter No. dated, and the General Conditions of Contract and upon the condition of the contractor’s furnishing security for the performance of the contractor’s obligations and discharge of the contractor’s liability under in connection with the said contract up to a sum of Rs..... (Rupees.....Only) amounting to 10 % (Ten) percent of the total contract value.

1. We. (here in after called “The Bank which expression shall include its successors and assigns) hereby jointly and severally undertake to guarantee the payment to The Employer in rupees forthwith on demand in writing and without protest of demur or any and all moneys anywise payable by the contractor to The Employer under in respect of or in connection with the side contract inclusive of all The Employer’s losses and damages and costs, (inclusive between attorney and client) charges and expenses and other moneys anywise payable in respect of the above to this guarantee up to an aggregate limit of Rs. (Rupees only).
2. We Bank further agree that The Employer shall be sole judge of and as to whether the said contractor has committed any breach or breaches of any of the terms and conditions of the said contract and the extent of loss, damage, cost, charges and expenses caused to or suffered by or that may be caused to or suffered by The Employer on account and the decisions of The Employer that the said Contractor has committed such breach or breaches and as to the amount or amounts of loss, damage, costs, charges and expenses caused to or suffered by The Employer from time to time shall be final and binding on us.
3. The Employer shall be at liberty without reference to the bank and without affecting the full liability of the bank hereunder to take any other security in respect of the Contractor’s obligations and liabilities hereunder or to vary the contract or the work to be done there under vis-à-vis the Contractor or to grant time or indulgence to the Contractor or to reduce or to increase or otherwise vary the prices of the total contract value or to release or to forbear from enforcement of all or any of the security and/ or any other security (ies) now or hereafter held by the Employer and no such dealing (s) reduction (s) increase (s) or other indulgence (s) or arrangements with the Contractor or release or forbearance whatsoever shall absolve the Bank of the fail liability to The Employer hereunder or prejudice the rights of The Employer against the bank.
4. This guarantee shall not be determined or affected by the liquidation or winding up, dissolution, or change of constitution or insolvency of the Contractor but shall in all respect



and for all purposes be binding and operative until payment of all monies payable to The Employer in terms thereof.

5. The bank hereby waives all rights at any time inconsistent with the terms of this guarantee and the obligations of the bank in terms hereof shall not be anywise affected or suspended by reason of any dispute or dispute having been raised by the Contractor stopping or preventing or purporting to stop or prevent any payment by the bank to The Employer in terms hereof.
6. The amount stated in any notice of demand addressed by the Employer to the bank as liable to be paid to the Employer by the Contractor or as suffered or incurred by The Employer on account of any losses or damages of cost, costs, charges and / or expenses shall be conclusive evidence of the amount so liable to be paid to The Employer as the case may be and shall be payable by the bank to The Employer in terms hereof.
7. This guarantee shall be a continuing guarantee and shall remain valid and irrevocable for all claims of the Employer and liabilities of the contractor arising up to and until midnight of.....
8. This guarantee shall be addition to any other guarantee or security whatsoever that The Employer may now or at any time anywise may have in relation to the contractor's obligations/ or liabilities under and/ or in connection with the said contract, and The Employer shall have full authority to have recourse to or enforce this security in preference to any other guarantee or security which The Employer may have or obtained and no forbearance on the part of The Employer in enforcing or requiring enforcement of any other security shall have the effect of releasing the Bank from its full liability hereunder.
9. It shall not be necessary for the Employer to proceed against the said Contractor before proceeding against the Bank and the Guarantee herein contained shall be enforceable against the bank notwithstanding that any security which the Employer may have obtained or obtain from the contractor shall at the time when proceedings are taken against the said bank hereunder be outstanding or unrealized.
10. We the said Bank undertake not to revoke this guarantee during its currency except with the consent of the Employer in writing and agree that any change in the constitution of the said contractor or the said Bank shall not discharge our liability hereunder.
11. We.the said Bank further hold that we shall pay forthwith the amount stated in the notice of demand notwithstanding any dispute/ difference pending between the parties before the arbitrator and/ or that any dispute is being referred to arbitration.
12. Notwithstanding anything contained herein above, our liability under this guarantee shall be restricted to Rs. (Rupees.....) and this guarantee shall remain in force till and unless a claim is made on us within 3 months from that date, that is before all the claims under this guarantee shall be forfeited and we shall be relived of and discharged from our liabilities there under.

Dated.....day of 2021.

For and on behalf of Bank Issued under seal



Annexure “S-1”

Technical specifications for RFID Tags for Books, CDs, and DVDs (Item Sr. no. 1 & 2)

S.No	Specification	Whether the specification OK or not (Y/N)	COMPLIANCE STATEMENT (Pls. give details of deviations, if any)
1	A. Dimension: minimum 80mm x 50mm (L x W) (+-10%)		
	B. Tag Size should be appropriate for books, CDs, DVDs, Loose Periodicals/ Magazine, non book material etc.		
	C. Operating Frequency: 13.56MHz		
	D. Memory: minimum 1024 bits or above		
	E. Thickness: 0.4 mm or below		
	F. The tags should be self adhesive and paperbacked with Life time Warranty. (Minimum 20 years or 1,00,000 read/write operations)		
	G. Warranty of Tags for logic circuits and replacement of defective tags		
	H. Integrated Chip: must comply ISO 15693/18000-3		
	I. Integrated Circuit.		
	J. Distance for detection from pedestal up to 1 mtr. (Approx)		
	K. Detection rate of the systems should be above 95% consistently.		
	L. Watermark: The OEM name should be appearing as a watermark on the RFID labels for considered as a single manufacturer/OEM.		
	M. Integration with e-granthalaya 4.0 Library or higher version & other LMS.		



Annexure “S-2”

Technical specifications for RFID Staff Station with Biometric (Item Sr. No. 3)

S.No	Specification	Whether the specification OK or not (Y/N)	COMPLIANCE STATEMENT (Pls. give details of deviations, if any)
1	<p>A. Flatbed type. Should be aesthetically designed using Plexiglas with antenna and reader separately and integrated with Bio Metric.</p> <p>B. The staff station’s antenna should provide a focused reading area.</p> <p>C. It should read multiple items of mixed media up to a height of 25cm</p> <p>D. The Staff Station with Antenna is a multi-purpose solution for reading / programming RFID library items on 13.56 MHz</p> <p>E. The reader should be connected to existing hardware (PC) and/or Library Management Systems over an USB or LAN connection.</p> <p>F. The staff station should be able turn the Security on/off or program the tags independent of whether the staff station is connected to LMS or not.</p> <p>G. All circulation related activities will be carried using the e-granthalaya user interface and the LMS software</p> <p>H. The staff station should adhere to ISO 28560 standard & ISO15693/18000-3</p> <p>I. OEM Software for Circulation & Tagging:</p> <p>a) The OEM should provide a circulation and tagging software at no additional charges.</p> <p>b) Software should be support with Windows 7, Windows 8 or 10 (32/64 bit) or above.</p> <p>J. Key Functions of Tagging Software:</p> <p>a) It should allow library staff to program the accession number on the RFID label.</p> <p>b) It should maintain a log with time stamp of all items that were programmed.</p> <p>K. Key Functions of Circulation Software:</p> <p>a) It should support check-in and check-out of items.</p> <p>b) It should send item details directly on the LMS.</p> <p>c) It should have provision to add or remove security.</p> <p>L. The staff station should be support Library’s Barcode for printing receipt</p> <p>M. The Supplier should be providing the required tag for next 5 year on same rates quoted by Tenderer</p> <p>N. The all items mentioned are compatible with EG 4 or as well as other LMS</p>		



Annexure “S-3”
Technical specifications for RFID Security Gate (Item sr. no. 4)

S.No	Specification	Whether the specification OK or not (Y/N)	COMPLIANCE STATEMENT (Pls. give details of deviations, if any)
1	<p>A. 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, , etc. The offer must be complete in all respects and must include all the components required for the functional of the system.</p> <p>B. Pedestal Dimension:</p> <p>a. Total width between two pedestals should not be less than 1.1 meter</p> <p>b. Body Material: Transparent Plexiglas panel</p> <p>c. Each pedestal should not weight more than 30 Kgs.</p> <p>d. Height of the pedestal should be 2.1 Meter</p> <p>C. Data Interface: Ethernet port and I/O port for CCTV integration</p> <p>D. Detection Range:</p> <p>a. Security gate requires two theft detection pedestals, each pedestal contains separate antennas for large detection field range of 1.10 meter (minimum)</p> <p>b. Have provision for Lights and buzzer and customer counter with facility to also identify item.</p> <p>c. Each pedestal should have antennas in them for greater detection. It should have options to include additional panels by synchronizing readers.</p> <p>d. The proposed system should read the tag in all three orientations between the gates i.e. for EAS bit, AFI bit & LMS database with ALL or ANY as configurable option</p> <p>e. The proposed system must provide item security even when the Library Management System or network is off-line or not functioning.</p> <p>f. Facilities of Online statistics for Customer Counting.</p> <p>E. Compliance:</p> <p>a. The gate should read ISO 15693, 18000-3 modes etc.</p> <p>F. Performance:</p> <p>a. RFID labels with theft or security bits that are</p>		



	<p>“On” must immediately trigger an alarm and even when LMS is offline.</p> <p>b. Non-deactivated RFID tags should be instantaneously detected regardless of orientation.</p> <p>c. Should read at least 8 tags per second</p> <p>d. All electronics components such as readers, antenna etc. should be built into the pedestals. There should be no components extruding from the gates</p> <p>G. RFID operating frequency: 13.56MHz</p> <p>H. Alarms:</p> <p>a. Visual Alarm: The gate should have multi-colour, customer selectable LED lights with variable alarm patterns.</p> <p>b. 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.</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>I. Patron Counter: The gate should have a digital display to showcase the number of patrons entering and exiting the library in addition to the alarm counts.</p> <p>J. Software:</p> <p>a. The security gate should be integrated with the LMS via SIP2 protocol. The Vendor/Supplier should 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> <p>e. Integration with e-Granthalaya 4.0 and other LMS Software</p>		
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Annexure “S-4”
Technical specifications for Control System Software (Item sr. no. 5)

S.No	Specification	Whether the specification OK or not (Y/N)	COMPLIANCE STATEMENT (Pls. give details of deviations, if any)
1	<p>A. The OEM should provide administration software to remotely monitor report and configure the RFID devices such as security gate and self-service kiosk.</p> <p>B. Deployment: Cloud Hosted and accessible from any computer with internet access.</p> <p>C. Security: All network communication should be secured through SSL security certificate.</p> <p>a. The system should allow for individual configurable access rights. The library staff users should be able to manage different security groups and give specific access rights.</p> <p>b. 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.</p> <p>c. 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 and XML).</p> <p>d. The 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.</p> <p>e. 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 send when communication is re-established.</p> <p>f. The 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</p> <p>g. The system should give the options to the library staff of whether or not to upgrade RFID device software</p> <p>h. 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.</p> <p>i. Integration with e-Granthalaya 4.0 and other LMS Software.</p>		



Annexure “S-5”

Technical specifications for RFID Handheld Reader for inventory management (Item sr. no. 6)

S.No	Specification	Whether the specification OK or not (Y/N)	COMPLIANCE STATEMENT (Pls. give details of deviations, if any)
1	<p>A. Hand held unit:</p> <p>a. Should be cordless and light weight (including battery)</p> <p>b. Screen: touch screen</p> <p>B. Antenna unit:</p> <p>a. The antenna should swivel, as it should effectively scan the books as it is moved along the shelf edge.</p> <p>b. Should read RFID book labels</p> <p>c. Should at least scan 50 items per minute</p> <p>d. The effective read range should be in the range of 10-25 cm</p> <p>e. Should comply with ISO 15693</p> <p>C. The Handle Reader should support the Data Models</p> <p>D. Software:</p> <p>a. Should be preinstalled windows Operating system</p> <p>b. The OEM software installed should have user friendly navigating menus, import options to search records using .txt or .csv files</p> <p>E. Mandatory functionalities:</p> <p>a. It should be ideal for shelf check ordering, shelf-reading, e-shelving, searching weeding and exception finding.</p> <p>b. Should accommodate data collection simultaneously with other functions such as shelf reading. Inventory, identifying items on search lists, and item security status.</p> <p>c. The portable handheld reader shall feature a touch screen display and use a removable memory card.</p> <p>d. Should read the data model that is used for programming the tags.</p> <p>e. Should allow a user to quickly enter search criteria directly into the device and It must allow display the title of the item on the device.</p> <p>f. Should support for sorting the items on shelf</p> <p>g. Should support for shelving items on shelf</p> <p>h. It should detect the security status of an item</p> <p>i. It should provide both audio and visual alerts.</p> <p>G. Compliance: The handheld reader should be standard certified</p> <p>H. Power:</p> <p>a. It should work using rechargeable battery</p>		



	<p>b. The systems should work for at least 6 hours on continuous use</p> <p>c. It should have charging cradle to charge the battery with USB connection.</p>		
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Annexure “S-6”

Technical specifications for Anti-theft Stickers (Institutional Labels) (Item sr. no. 7)

S.No	Specification	Whether the specification OK or not (Y/N)	COMPLIANCE STATEMENT (Pls. give details of deviations, if any)
1	<p>1. ISO 15693 RFID Tags</p> <p>2. Good Quality, Smooth face</p> <p>3. Label printed with name and logo (design to be approved by department)</p> <p>4. Size: Minimum half inch larger on all sides than the RFID tags.</p> <p>5. Strong permanent adhesive, which does not leach in to the paper of the books.</p> <p>6. The vendor should carryout the pasting work on each book.</p>		

Annexure “S-7”

Technical specifications for Biometric system for entry and exit to the library (Item sr. no. 8)

S.No	Specification	Whether the specification OK or not (Y/N)	COMPLIANCE STATEMENT (Pls. give details of deviations, if any)
1	<p>A. Fingerprint Sensor: Optical (IP65 sensor surface)</p> <p>B. Resolution: 500 dpi / 256 gray</p> <p>C. Sensing Area: 16 x 18 mm</p> <p>D. Image Size: 288 x 320pixel</p> <p>E. Interface: USB 2.0 2.0 high speed interface</p> <p>F. O/S: Microsoft Windows & Linux</p> <p>G. Operation Temperature: 10-50°C</p> <p>H. Certification: CE, FCC, KCC, WHQL</p> <p>I. Standards: ISO19794-2, ISO19794-4, ANSI-378, WSQ</p> <p>J. Biometric Software for e-Granthalaya/any LMS software:</p> <p>a. Interface software to link biometric registration and circulation</p> <p>b. Egates software integrated with biometrics linked with LMS softwre</p> <p>c. Egates software should capture in and out time of the student</p> <p>d. Report should be directly available from the interface</p>		



Date: _____

**Annexure “D”
Price Bid**

S.No.	Particular	Specification/Feature	Qty	Unit rate	Total value in Rs.
1	RFID Tags for Books	As per technical bid	17000 Nos		
2	RFID Tags for CDs, and DV Ds	As per technical bid	1500 Nos		
3	RFID Staff Station with Biometric	As per technical bid	1 No.		
4	RFID Security Gate	As per technical bid	1 No.		
5	Control System Software	As per technical bid	1 No.		
6	RFID Handheld Reader for inventory management	As per technical bid	1 Nos		
7	Anti theft Stickers (Institutional Labels) including tagging and pasting on books	As per technical bid	17000 Nos		
8	Biometric system for entry and exit to the library	As per technical bid	2 Nos		

B: Price of old AM based Library Security system under buyback

S. N.	Particular	Specification/Feature	Qty	Total value inclusive all taxes and duties in Rs.
1	Electromagnetic based Library Security System (Main gate with Work Station)	3M Main gate model 3501 and Work Station model 942	One Set	

C: Total quoted price in figure = A - B = Rs. _____ (Total cost in word Rupees _____)

Note:

1. Total price C will be inclusive of Buyback price, delivery and installation charges with all taxes. No Extra charges shall be paid over and above of total quoted amount.
2. Tenderer must have to quote each and every item in each categories, the consolidated rates will not be considered and tender will be rejected.