NIFT-KGR/RC/29/2019   25/03/2019

Corrigendum

Tender:- RFID Based Library Automation & Security System integrated with e-Granthalaya Software eG4.0

Tender Condition No.6: The Bidder/OEM should have implemented RFID based library automation solution in at least 3 libraries across India. And all 3 libraries should be integrated with E-GRANTHALAYA Library Management Software and should be RFID functional. Customer references and Purchase orders must be attached along with the Tender.

The above tender condition removed and following tender conditions incorporated with the tender for those who do not have experience in the integration of e-Granthalaya Software and Certificate of NIC .

New Conditions:- Vendor have to give the undertaking for integration of RFID System in the e-Granthalaya Software.

Further the payment will be released to the vendor after successful integration of e-Granthalaya Software and testing for three month failing which the EMD and 10% of security amount will be forfeited and order will be awarded to the experienced vendors.

Joint Director

National Institute of Fashion Technology
(Ministry of Textiles, Government of India)
NIFT Campus, Chheb Kangra, Himachal Pradesh - 176001
Phone No. :01892-260874 Fax No. 01892-260872

Tender Notice

File NIFT-KGR/RC/29/2019

Date: -07.03.2019

Sealed Tender is invited for "Supply & Installation of RFID Based Library Automation & Security System integrated with e-Granthalaya Software eG4.0" NIFT Kangra Campus at Kangra (H.P.). Last date and time for submission of tenders as mentioned in the tender documents is as under,

Date of publication of Tender notification	07/03/2019
Sale of Tender document commences from	07/03/2019
Date of Pre Bid Meeting	14/03/2019
Last date for sale of Tender document	28/03/2019 till 14:00 Hrs.
Last date for receipt of duly filled in Tenders	28/03/2019 till 16:00 Hrs
Date and time of the opening of Tenders	28/03/2019 till 16:30 Hrs

The interested firms / suppliers may visit NIFT Campus on any working day during office hours and contact Administration or NIFT Website https://nift.ac.in/kangra/tenders for tender details. The detail of cost of th e tender form is given in each tender document.

Joint Director

NATIONAL INSTITUTE OF FASHION TECHNOLOGY

(A statutory body governed by the NIFT Act 2006 and set up by the Ministry of Textiles Govt. of India)

"Tender for Supply & Installation of RFID Based Library Automation & Security System integrated with e-Granthalaya Software eG4.0.

NIFT (Kangra Campus)
NIFT Campus, Chheb, Kangra, Hiamchal Pradesh 176001

Time schedule for tender process:

Date of publication of tender notification on official website	07/03/2019
Sale of tender document commence from	07/03/2019
Last date for Sale of tender document	28/03/2019 at 14:00 Hrs
Last date for receipt of duly filled in tenders	28/03/2019 at 16:00 Hrs
Date and Time of the opening Technical Bids	28/03/2019 at 16:30 Hrs
Date and Time of the Financial Bids	will be notified to the technically qualified tenderers

Note: This tender document contains 16 pages (total no. of pages including Annexures) and tenderers are requested to sign on all the pages.

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INTRODUCTION:

National Institute of Fashion Technology (NIFT) was set up by the Ministry of Textiles, Government of India in 1986 which has been accorded statutory status under the Act of Parliament in 2006 (NIFT Act 2006) 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 centers. It provides four years under graduate (UG) program in design and technology, two years post graduate (PG) program in design, fashion management & fashion technology and short duration education program to address the specialized needs of professional and students in the field of fashion. NIFT has its head office at New Delhi with its campuses located at Bengaluru, Bhopal, Bhubaneswar, Chennai, Gandhinagar, Hyderabad, Jodhpur, Kangra, Kannur, Kolkata, Mumbai, New Delhi, Patna, Raibareli, Shillong and Srinagar.

NIFT Kangra Campus.

NIFT, Kangra Campus is situated in Kangra, Himachal Pradesh (NIFT Campus, Chheb, Kangra, H.P. - 176001). At present approx 600 students are getting education in this Institute and about 60 Officers / Faculty and employees are working in this Institute.

NOTICE INVITING TENDER

The NIFT Kangra Campus invites sealed tenders under **"TWO BID SYSTEM"** are invited for purchase of "**RFID Based Library Automation & Security System integrated with e-Granthalaya Software eG4.0**" at NIFT. Kangra at the NIFT Kangra Campus, Chheb, Kangra, H.P. - 176001.

The details of the tender are given below:-

1.   Description of Goods : Selection of Vender for Supply of **RFID Based Library Automation & Security System integrated with e-Granthalaya Software eG4.0** at the NIFT Kangra Campus, Chheb, Kangra, H.P. - 176001.
2.   Closing date & time for submission of bids: 28/03/2019 at 16:00 Hrs
3.   Date & time of opening of Bid:
    i **Technical bid:** 28/03/2019 at 16:30 Hrs (in presence of the tenderers or their authorized representatives.
    ii. **Financial bid** : After evaluation of Technical Bid, the financial bid can be opened on same day
    iii. Bid validity upto: 30 days from the date of opening of financial bid
4.   Correspondence Address : Joint Director, National Institute of Fashion Technology, NIFT

        Kangra Campus, Chheb, Kangra, H.P. – 176001.

"TWO BIDS SYSTEM" shall be followed for this tender. Tenderer should take due care to submit the tender in accordance with requirement in sealed covers. Bids received shall be evaluated as per the Criteria prescribed in the tender document. NIFT will not entertain any

modifications subsequent to opening of bids and bids not conforming to tender conditions shall be liable to be rejected. Therefore, bidders are advised to submit their bids complete in all respects as per requirement of tender document specifying their acceptance to all the clauses of Bid Evaluation Criteria, General terms and conditions and compliance to the purchase of "**RFID Based Library Automation & Security System integrated with e-Granthalaya Software eG4.0**".

Tender documents for purchase of "**RFID Based Library Automation & Security System integrated with e-Granthalaya Software eG4.0**" can be obtained from office of the Purchase Officer from 07//03/2019 to 28/03/2019 on all working days between 10 A.M. to 4 P.M. on payment of a non-refundable cost of Tender of Rs.2000/- which shall be payable in the form of a Demand Draft drawn in favour of NIFT - Kangra Paybale at Kangra H.P.

The tender document is not transferable to any other person. The tender document can also be downloaded from the NIFT's official website www.nift.ac.in/kangra of the centre. The tenderer who have downloaded the tender document from the website should send a Demand Draft of Rs.2000/- (non refundable) drawn in favour of NIFT – Kangra Payable at Kangra H.P. towards the cost of tender document in Technical cum Financial Bid.

The tender fee and the EMD draft should be kept in the Technical Bid Cover. The Technical bid and the financial bid should be sealed by the tenderer in separate covers duly super scribed as "Technical Bid" and "Financial Bid" respectively. Both these sealed covers should then be kept in a bigger cover which should also be sealed & duly super scribed **"Tender for Supply & Installation of RFID Based Library Automation & Security System integrated with e-Granthalaya Software eG4.0"** at NIFT Kangra.

In case of any clarification required relating to this tender, the same can be sought from the following officers of NIFT Kangra:
- Mr. Deepak Rana, Dy. Director (F&A) ddfinance.kangra@nift.ac.in
- Mr. Santosh Kumar Singh, Purchase Officer, santosh.singh@nift.ac.in

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1. Tender shall be submitted in official tender form only (enclosed). If submitted in any other form the same shall be summarily rejected. No tenderer shall be issued more than one tender form.

2. The Tender may be obtain from NIFT, Kangra after depositing the Tender Cost of Rs. 2000.00/- through DD only in favour of NIFT, payable at Kangra. In case downloaded from website the tender cost should be submitted with the Technical bid. The tender cost will not be refunded in any case. Tender received without tender cost will be rejected.

3. The EMD Amount of Rupees 50000/- should be deposited for the quoted Item(s) only through Demand Draft in favour of NIFT, Kangra along-with Technical Bid. The Earnest Money will be refunded after finalization of the tender. The bids without EMD shall be rejected. **No interest shall accrue on this deposit. The EMD will be forfeited in following cases:**
   a. If selected bidder does not supply the materials.
   b. If selected bidder supplies sub-standard materials.

4. Tender received without EMD or with EMD amount less than the amount specified shall not be considered.

5. EMD of successful bidder will be retained till the supply of the ordered items and will be returned on receipt of performance security. No interest shall accrue on this deposit. In case the bidder shows inability to supply the ordered items or unable to supply the items as per terms and conditions of the Purchase Order, EMD will be forfeited.

6. The Bidder/OEM should have implemented RFID based library automation solution in at least 3 libraries across India. And all 3 libraries should be integrated with E-GRANTHALAYA Library Management Software and should be RFID functional. Customer references and Purchase orders must be attached along with the Tender.

7. The Bidder should submit Certificate of Authorization from the Principal Manufacturing Company and self declaration in case of OEM Bidding to quote the Tender.

8. The Bidder should be a company registered in India with Registrar of Companies since at least last 10 years.

9. The Financial Bid of only technically qualified bidder will be opened.

10. All Taxes & other charges, if any, should be mentioned clearly; otherwise, the rates will be treated as all inclusive.

11. **Price:** Price should be quoted in Indian Rupees only upto site of delivery place of installations Resource Centre of NIFT Kangra. The rates should be indicated clearly both in Figures and in words. If there is variation between the rates in Figures and Words, the rate quoted in words shall prevail.

12. If the successful bidder fails to supply the ordered quantity within scheduled time frame the Institute will have the right to purchase the ordered quantity (which the supplier could not supply) from any other alternate sources and contract liable to be terminated and the EMD/ Security deposited will liable to be forfeited.

13. Tender of branded/ reputed make shall only be considered. Assembled or local rates shall not be entertained.

14. The schedule issued with the form of tender listing the details of item to be supplied must not be altered by the tenderer. Any modifications/ alterations of the schedule considered necessary by the tenderer, should be in the separate letter accompanying the tender.

15. No paper shall be detached from the tender.

16. The Original Equipment Manufacturers (OEM) If any, must certify against item(s) that the said item has been manufactured by them. A certificate to this effect must be enclosed.

17. The tender shall be submitted in two separate sealed envelopes one for the Technical Bid (as per Annexure-I) and the other for Financial Bid (as per Annexure-II) which should be clearly superscribed on the envelops. The 2 covers duly sealed (i.e. Technical Bid & Financial Bid) should thereafter be kept in third cover & sealed. This cover should also be superscribed with **"Tender for Supply & Installation of RFID Based Library Automation & Security System integrated with e-Granthalaya Software eG4.0.**

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18. Tenderer submitting single quotation or combining "Technical" & "Financial " bid is liable to be rejected.

19. The financial bid should be valid in the case of all the tenders for at least one year from the date of opening of the tender (Technical bid). In the case of the successful bidder, rates quoted should be valid for the entire period till the supplies are completed.

20. The tender is liable to be rejected if complete information is not given there-in, or if the particulars and data (if any) asked for in the Schedule of the tender are not filled in correctly.

21. Individuals signing the tender or other documents connected with the tender must be authorized person by the original equipment manufacturer.

22. Late tenders will not be considered.

23. Tender shall be accompanied by the relevant documents including the following:-
    a) A client list for the items quoted for & supplied by them for the last 2 years
    b) Total turnover of the company for last 2 years (supported document viz. audited balance sheet should be submitted)
    c) Copy of PAN of the company/firm
    d) Authorization letter of the company (OEM) if one wishes to authorize some other company.
    e) The catalogue for the Items quoted by the vendors should be enclosed along with technical bid.
    f) They should be registered for GST and Income Tax and should enclose copies of relevant certificates.
    g) Model quoted & details specification.

24. **The successful supplier should deposit the Security Money @10% of the order value through DD in favour of NIFT Kangra as Security Deposit after receipt of order. No interest shall accrue on this deposit which will be refund beyond two month after completion of warranty period of equipments and after adjusting dues, if any.**

25. As per NIFT policy, payments and receipts of Government and Semi Government Agencies would be rounded off to the nearest higher rupee and in other cases the rounding off will be to nearest i.e. paise 50 or above will be rounded off to the near higher rupee and paise less than 50 will be ignored.

26. The supplier shall ensure that he himself or his authorized representative is available for proper handing over the supplies/consignments at NIFT Kangra Campus.

27. In case L-1 is more than one, then the Technical qualification of the Tenderer will be the criteria and the decision of NIFT will be final and binding.

28. The specification of items are as per **Annexure 'A'.**

29. The supplier should provide the training at NIFT, Kangra for specific and specialized items on its/their cost. No other charges will be paid for that training.

30. For any imported items(s) the vendor/Agent should have an authorization certificate from the Manufacturing Company and should enclose a copy with the Technical bid.

31. The vendor should have the qualified engineers/ staff to attend to After Sales Service at the Kangra Campus where the items are to be supplied and Installed.

32. The equipments supplied should be New and Unused.

33. The pre-inspection /post inspection of the items may be get done by NIFT Kangra and the items shall be accepted only after the equipments are certified 'OK' by the Inspecting Committee. The representative of supplier should be present at the time of inspection of the equipments.

34. After Sales Service & comprehensive warranty: the OEM's should give apart the built-in warranty of one year and AMC of 3 years after completion of warranty.

35. The installation of the equipment shall be the responsibility of the vendor and it should be certified as in working condition by the consignee after the installation.

36. A penalty as decided by the Competent Authority of NIFT for items shall be payable & the same shall be deducted from his bill or the Security Deposit as the case may be, for any defect in the equipments developed/noticed 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.

37. The tenderer are free to quote for all or any of the items as per list (Annexure 'A')

38. NIFT as sole discretion to either amend or cancel any or all the tender items.

39. Tenderer must sign along with company seal on each page of the tender document as token of the acceptance of tender conditions.
40. National Institute of Fashion Technology reserves the right to accept or reject any or all the offers either fully or partly without assigning any reasons and is not bound to accept the lowest bid since due weightage shall be given to several factors besides the commercial bid and decision of NIFT to that effect shall be final & binding.

**Signature of Authorized person of
the Firm/Agency with stamp/ seal**

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TENDERER TO FILL UP THIS PAGE

1. (a) Name of the Tenderer's firm/ Organization/ Agency   :

   (b) Name of the Proprietor/ Partner   :

2. Office Address   :

   Telephone/ Mobile No.   :

   Fax No.   :

   E-mail Address   :

   Website address , if any   :

3. Name of authorized representative(s)   :

4. Whether proprietary or partnership Firm or Company   :

5. List of documents furnished along with the tender paper   :

<div align="right">

Signature of Authorized person of the Firm/Agency with stamp/ seal.

</div>

Date: _____

Place: _____

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NATIONAL INSTITUTE OF FASHION TECHNOLOGY
(Govt. of India, Ministry of Textiles)
NIFT Campus, Chheb, Kangra, H.P. - 176001

"Tender for Supply & Installation of RFID Based Library Automation & Security System integrated with e-Granthalaya Software eG4.0.

To be deposited in separate sealed cover-I (subscribed as "Tender for Supply & Installation of RFID Based Library Automation & Security System integrated with e-Granthalaya Software eG4.0 - Technical Bid")

For Supply of items as given below as per the terms and conditions mentioned in the tender document:

1	Name of the firm/ agency	:	
2	Whether Agreed for Security Deposit @ 10% of Order Value ?	:	Yes/ No. _____
3	Whether Technical & Financial Bid submitted in separate envelops and superscribed properly ?	:	Yes/ No. _____
4	Whether agreed and quote the rate to deliver & Installed items at NIFT Kangra?	:	Yes/ No. _____
5	Whether price quoted as per the required specification mentioned in the Annexure 'A' and inclusive of all taxes & other charges etc. (mentioned separately)? If specifications will not match with the Annexure "A" Tender may be rejected.	:	Yes/ No. _____
6	Whether Catalog submitted?	:	Yes/ No. _____
8	Whether agreed to Provide warranty of one year.	:	Yes/ No. _____
9	Whether agreed to provide the AMC for 3 years after completion of warranty period and quoted separately?	:	Yes/ No. _____

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10. Whether agreed to abide by all the terms & conditions mentioned in the tender paper ? : Yes/ No. _____

11. Whether Tender Cost of Rs.2000.00(non-refundable in any case) Tender received without tender cost shall be rejected. : Yes/No_____ ,If Ys Demand Draft No._____Dated____for Rs 500.00 Drown on favouring NIFT , Payable at Kangra is enclosed.

12. Whether EMD amount of Rs.50000/- submitted? Tender received without EMD shall be rejected. : Yes/No_____, If Yes Demand Draft No_____dated_____for Rs_____ drown on favouring NIFT , Payable at Kangra is enclosed.

Required Documents		Attached/ Not Attached (Enter Reason wherever applicable)
Self attested copy of Firm/ Agency Establishment Certificate		
Self attested copy of GST Registration Certificate along with GST Number Agency / Firm		
Self attested copy of PAN Card number under Income Tax Act.		
Authorization letter of the company (OEM) if one wishes to authorize some other company.		
The Bidder/OEM should have implemented RFID based library automation solution in at least 3 libraries across India. And all 3 libraries should be integrated with E-GRANTHALAYA Library Management Software and should be RFID functional. Customer references and Purchase orders must be attached along with the Tender.		
Annual turn Over (copy of Audited Balance Sheet should be attached	2016-2017	
	2017-2018	
Income Tax Return for the last 2 Financial Years	2016-2017	
	2017-2018	

NOTE:-
i) The Tender Cost & EMD to be deposited along with Technical bid.
ii) All the supporting documents should be enclosed along with this Technical Bid. If not enclosed the bid will summarily rejected.

Signature of Authorized person of the Firm/Agency with stamp/ seal

Date: _____
Place: _____

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FINANCIAL BID

"RFID Based Library Automation & Security System integrated with e-Granthalaya Software eG4.0"

- This Financial Bid should be filled in by tendering party duly signed, Stamped and sealed and must be submitted in a separate cover, Superscribed with "Financial Bid"
- The Financial Bid will only be opened of technically qualified bidders.

1. Name of the Tenderer :...

For **"Tender for Supply & Installation of RFID Based Library Automation & Security System integrated with e-Granthalaya Software eG4.0** as given below as per the terms and conditions mentioned in the tender document

Item No.	Product Specifications	Proposed Make/ Model No	Specification Complied	Quantity	Price
1	RFID Server Layer using NISO NCIP V2.0			01	
2	Self Adhesive RFID Tags (For Books)			6000	
3	Institutional Labels: Good quality self adhesive labels of following specification			6000	
4.	Library Staff Station			01	
5.	Two EAS Pedestal Library Security Gate			01	
6.	RFID Smart Card			1000	
7.	Card Printer (One Unit) with Web Camera & Pen Tablet			01	
8.	Tagging Job Work			6000	
9.	Hands-on-Training (On-Site) with Manuals/Guide			01	
	Taxes, if any				
	Other Charges, if any				
	Total Amount				

(Note: 01. All Taxes & other charges, if any, should be mentioned clearly; otherwise, the rates will be treated as all inclusive)

(Note: 02.Bidder must bid for each and every item mentioned above of. If any item will be left out tender may get rejected.

Signature of Authorized person of the Firm/Agency with stamp/ seal

Date: _____
Place: _____

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Item No.	Product Specifications	Quantity
1	**RFID Server Layer using NISO NCIP V2.0** a) Supply of NISO NCIP V2.0 RFID server software layer for existing Integrated Library Management Software. b) Integration with compliance Hardware. c) Integration with E-Granthalaya 4.0 Library Management Software.	01

2	**Self Adhesive RFID Tags (For Books)**
	a) The RFID chip used in the tag should have been designed specifically for Library use with lockable, re-write and multi-read features.
	b) Operating Frequency: 13.56 MHz
	c) Tag size should be 80mm x 50 mm with at least 1024 bits memory, multi-read and inbuilt antitheft bit.
	d) Tag size should be appropriate for books, CDs, DVDs, loose periodicals /magazines etc.
	e) Distance for detection from pedestal upto 1mtrs (approx).
	f) Tags should be fully ISO 15693/18000-3 compliant.
	g) Detection rate of the systems should be above 95% consistently regardless of the number of items that are in the field.
	h) Warranty of Tags: Minimum 20 years for logic circuits and replacement of defective
	i) tags if found during the first time tagging.
	j) RFID Tags Mechanical Dimension
	  (i) Transponder coil size 76 x 47 mm # 9.5mm
	k) RFID Tags Electrical characteristics
	  (i) Integrated Circuit (IC): Philips I- Code-SLi, SL21CS20
	  (ii) IC's protocol/anti-collision: ISO 15693 /1800-3
	  (iii) Memory: 1024 bits R/W EEPROM
	l) General characteristics of transponder
	  (i) Bending diameter (D) :> 50 mm, tension less than 10 N.
	  (ii) Static pressure (P): > 10 MPa (10 N/mm2).
	m) Integration with E-GRANTHALAYA 4.0 Library Management Software.
		6000

3	**Institutional Labels: Good quality self adhesive labels of following specification** a) Good Quality, smooth face b) Label printed with name and logo (design to be approved by department)	6000

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	c) Size: Minimum half inch larger on all sides than the RFID tag d) Strong permanent adhesive, which does not leach in to the paper of the book	

4.	**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.
	d) Should be fully compliant to ISO/IEC 14443A, ISO 15693 and ISO 18000-3 standards.
	e) The programming station should interface with the existing 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, reserve, 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).
		01

	(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. n) Integration with E-GRANTHALAYA 4.0 Library Management Software.	
5.	**Two EAS Pedestal Library Security Gate** 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 the functional of the system. Library security gate with following specifications. a) Can be configured to detect different chip type simultaneously. 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. 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. d) Lights and buzzer located at the top of the pedestals. e) Powerful DSP (Digital Signal Processor) f) Chip Compatibility:ISO15693-3/ISO 18000-3 g) Detection and Security corridors must be in compliance with relevant ADA requirements for wheel chair clearance and reach range standards. h) Detection Range: Upto 1 mtr (approx) between two pedestals (application dependent) i) Security Modes Alarms: EAS & AFI lights and buzzer located at the top of the pedestal. j) People Counter: Counts in/out traffic located at the bottom of the	01

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		pedestal.	
		k) Communication interface: RS232/RS422/RS485 or Ethernet	
		l) Casing: High quality plastic	
		m) Operating Temperature: 0° to 55°C Required Features:	
		n) 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.	
		o) The proposed system must use 13.56 MHz ISO 15693-3/ISO 18000-3 mode1 RFID technology.	
		p) Tags with theft or security bits that are "on"must immediately trigger an alarm.	
		q) The proposed system must provide item security even when the Library Management System or network is off-line or not functioning.	
		r) The proposed system must be aesthetically suited to current library décor.	
		s) Integration with E-GRANTHALAYA 4.0 Library Management Software.	
6.		**RFID Smart Card**	1000
		a) The smart cards should be pre printed smart cards that can be used as common campus ID cards.	
		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.	
		c) Must be for multipurpose use.	
7.		**Card Printer (One Unit) with Web Camera & Pen Tablet**	
		a) Dual Side Card Printer	
		b) Print Method Dye-sublimation / resin thermal transfer	
		c) Resolution 300 dpi (11.8 dots/mm) continuous tone	
		d) Colours Up to 16.7 million / 256 shades per pixel	
		e) Print Speed** 6 seconds per card (K*); 8 seconds per card (KO*); 16 seconds per card (YMCKO*); 24 seconds per card (YMCKOK*)	
		f) Accepted Standard Card Sizes CR-80 (3.375"L x 2.125"W / 85.6 mm L x 54 mm W); CR-79 adhesive back (3.313"L x 2.063"W / 84.1 mm L x 52.4 mm W)	
		g) Print Area CR-80 edge-to-edge (3.36"L x 2.11"W / 85.3 mm L x 53.7 mm W); CR-79 (3.3"L x 2.04"W / 83.8 mm L x 51.8 mm W)	
		h) Accepted Card Thickness .009" - .040" / 9 mil - 40 mil / .229 mm - 1.016 mm	
		i) Accepted Card Types PVC or polyester cards with polished PVC	

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	finish; monochrome resin required for100% polyester cards; j) Input Hopper Card Capacity 100 cards (.030" / .762 mm) k) Memory 32 MB RAM l) Software Drivers Windows® XP /Server 2003 & 2008 / Windows® 7 / Windows® 8 (32 bit & 64 bit) m) Interface USB 2.0, optional Ethernet with internal print server n) Supply Voltage 100-240Vac, 50-60Hz, 1.6 Amps max	

8.	**Tagging Job Work**
	Job involves the following steps
	a) Coordinating with library for tagging of books, journals, loose issues/magazines, CDs, DVDs, etc.
	b) Removing the documents from Shelves.
	c) Verifications of following Bibliographic data from ILMS database and physical documents
	   (i) Accession Number
	   (ii) Class Number
	   (iii) Location
	d) Tagging of RFID tags with the following parameters using ILMS database
	   (i) Primary data as Accession number mentioned on the book or barcode labels on the documents.
	   (ii) Associated data to be fetched using ILMS like Class No. Location, Library Code, date of entry, etc.
	e) Fixing self-adhesive RFID tag & anti theft stickers at the designated place of in the documents.
	f) Verification of data stored in the RFID Tags
	Generation of reports of currently tagged items.
		6000

9.	**Hands-on-Training (On-Site) with Manuals/Guide** a) Comprehensive in-house operational training for all equipments and front end interface. b) Training for Handling of RFID Tagging on documents and Printing of Smart ID Cards. c) Troubleshooting training d) Complete Write-up/Manual/Guide for operation and handling of all RFID equipments. e) Training to be given to all Library Staff & Library Users.	01
10.	AMC of 3 years after completion of 1 Year of Warranty.	

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