IISER THIRUVANANTHAPURAM

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH THIRUVANANTHAPURAM (IISERTVM)
(Govt. of India, Ministry of H.R.D)

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CET CAMPUS, KULATHUR, ENGINEERING COLLEGE.P.O
THIRUVANANTHAPURAM 695016,
KERALA, INDIA.

Date: 17/05/2017

INVITATION TO TENDER
No: IISER/PUR/0114/SAP/LIB/17-18
Due Date: 13th June 2017 [4PM]
Date of Opening: 14th June 2017 [3PM]

Dear Sirs,

SUB: Supply of HF-RFID Tags .

We invite Sealed Tenders for the following items:

Sl.No	Description	Qty
1	Supply installation and integration of HF RFID tags, multi purpose staff station(2 nos), Handheld stock management system, security gate with base plate, self service kiosk and control system software for Library. (Detailed specifications as per Annexure I enclosed)	1 No

Please quote your lowest rate and shortest delivery period as per the following terms. Your offer in sealed cover ***SUPERSCRIBING TENDER NUMBER AND DUE DATE*** shall reach us on or before the due date and time.

EMD : Rs.30,000/- to be deposited by way of fund transfer to IISER TVM Current Account No: 0745102000003766 (IFS Code IBKL0000745) or fund transfer through POS Machine available at F&A Office, IISER-TVM or Bank guarantee. Quotes received without a copy of Transaction slip / Debit Advice for the EMD amount transferred will be summarily rejected. [Tender No & Company Name must be mentioned in the remarks column, if fund is transferred though bank.]

Payment : Within 30 days after supply and installation/Net 30 days /LC. **No advance payment will be made by IISERTVM.**

Delivery : To be delivered at our **Vithura Campus** (Free delivery). If import, mention Ex-works/FCA/CIP terms with clear breakup charges.

Taxes & Duties : Indicate taxes and duties. We are exempted for customs duty under 51/96 notification and Excise duty under 10/97 notifications.

Discount : Indicate, if any.

Delivery Schedule : Required Immediately. Indicate your schedule

Validity of quote : 60 days

Thanking You,

Please see the rear side for other Terms & Conditions

Yours Faithfully

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Deputy Registrar (I/C)
Purchase & Stores

Please visit the following websites for more information

1. **www.iisertvm.ac.in,**
2. **https://www.eprocure.gov.in/epublish,**

P.S. CATALOGUE/LEAFLET FEATURING ALL TECHNICAL SPECS/INFORMATION OF THE PRODUCT QUOTED SHALL ACCOMPANY THE OFFER.

IISER-TVM

INSTRUCTION TO TENDERERS [IMPORTS]:

1. **PRICE:** The price quoted shall be firm. The terms of FOB/EXW/FCA/CIF/CIP etc shall be clearly mentioned.
2. **AGENT & AGENCY COMMISSION:** In case Tenderer is represented by any agent in India, their name and address shall be furnished. The amount of commission included in the price shall be clearly shown in the offer; which will be paid directly to the Indian Agents by purchaser in equivalent Indian Rupees. Incase Indian agents existing and their agency commission is not shown in the Tender, reasons for the same shall be clearly mentioned in Tender. Details of Indian agent's statutory registration shall be stated. If Agency Commission is paid by Principals in foreign currency, the reasons for the same and exemption from Enforcement Directorate in India shall also be provided.
3. **LEAFLET/CATALOGUE:** Tenderer should furnish all necessary leaflet/catalogue etc., of the stores offered by him to enable the Purchaser to evaluate his offer correctly.
4. **MODE OF DESPATCH:** Tenderer shall indicate the mode of dispatch (*i.e.*, Sea/Air-freight/Parcel Post, etc.) depending upon the normal mode of dispatch adopted by him for the type of stores offered for consideration of the Purchaser.
5. **COUNTRY OF ORGIN:** Tenderer shall indicate in his offer the country of origin of goods offered and the name and address of the manufacture.
6. **INSURANCE:** If insurance of the goods is felt necessary, the same shall be advised by the Tenderer in the offer.
7. **DELIVERY/SHIPMENT:** The time for and date of delivery quoted shall be reasonable/realistic and shall strictly be adhered to incase of placing order on the Tenderer.
8. **MODE AND TERMS OF PAYMENT:** Payment in full (excluding the amount of Agency Commission included in the price payable directly by the Purchaser to the Indian Agents in Indian Rupees) will be made immediately on presentation of the prescribed documents against SIGHT DRAFT or LETTER OF CREDIT or WIRE TRANSFER against shipping documents. **OURS BEING A GOVT OF INDIA EDUCATIONAL INSTITUTE WE ARE UNABLE TO MAKE ANY ADVANCE PAYMENT**
9. **WARRANTY:** Period of warranty and conditions shall be clearly mentioned in the Tender.
10. **GENERAL:** The Tenderer shall also be complied with the following:

a. Mention your Banker's name and address.
b. Show approximate net and gross weight and dimensions of packages/ cases. If dimensional details are available the same should also be indicated in your offer.
c. Furnish list of recommended spares for satisfactory operation for a minimum period of one year if the quote is for Plant & Machinery, Equipments etc.
d. Details of any technical service, if required for erection assembly, commissioning and demonstration.
e. Conform that the prices quoted are inclusive of all taxes, levies, duties arising in the tenderer's country.
f. Samples, if called for, will be sent free of all charges.
g. Late tenders and Delayed will not be considered.
h. Offers made by Indian Agents on behalf of their Principals, should be supported by the Proforma Invoice of their Principals.
i. The authority of person signing the tender, if called for, shall be produced.
j. The purchaser reserves the right to accept or reject the lowest or any other offer in whole or in part without assessing any reason.

11. **Tender Opening**: All tenders will be opened at **Pratheeksha Building**. Authorized representatives **with authorization letters** of the bidders may attend the Tender Opening.

INSTRUCTION TO TENDERERS [INDIGENOUS]

1. Tenders should be sent in sealed envelopes superscribing the relevant tender no. and the due date of opening. Only one tender should be sent in each envelope.
2. Sales Tax and /or other duties/levies where legally levies and intended to be claimed should be distinctly shown separately in the tender.
3. (a). Your quotation should be valid for a minimum period of 90 days from the date of opening of the Tender. Quotation with firm prices will be preferred.
   (b). Prices are required to be quoted according to the units indicated in the Invitation to Tender. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.
4. **(a) Preference will be given to those tenders offering supplies from ready stocks. The basis of delivery is at IISER site free of cost.**
   (b) Our payment terms are within 30 days of receipt and acceptance of the item at our site.
5. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.
   Specifications: Stores offered should strictly conform to our specifications. Deviations, if any should be clearly indicated by the tenderer in their quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary along with the quotations. Test Certificates wherever necessary should be forwarded along with supplies. Whenever specifically mentioned by us the tenderer could suggest changes to specifications with appropriate reasons for the same.
6. IISER shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portion of the quantity offered and the tenderers shall supply the same at the rates quoted.
7. Corrections, if any, in the Quotation must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail. Quotation must have price for each line item and totaling of the price including taxes and duties should be clearly mentioned.
8. The tenderer should mention the name of his bankers, Sales Tax Registration, PAN number etc in the tender.
9. The authority of the person signing the tender, if called for, should be produced.
10. IISER being a Govt of India Educational and Research Institute, is exempted from payment of Excise Duty under Notification No. 10/97 and Customs Duty under Notification No. 51/96- Customs dated 23rd July 2009. Also, we can issue Form16 as per VAT Rules.
11. The stores supplied should be covered with minimum of 1 year warranty from the date of supply, installation and commissioning.
12. Earnest Money Deposit/ Bid Security should be submitted alongwith your quote as mentioned in Invitation for Tender. EMD should be in favour of Indian Institute of Science Education and Research Thiruvananthapuram valid for 90 days.

Required Items

Item	Qty
HF RFID Tags	10,000
Multi-purpose staff station	2
Handheld stock management system	1
Security gate with base plate	1 pair
Self-service kiosk	1
Control system software	1
Pre-printed tamperproof adhesive labels with IISER logo/special design/text to cover RFID Tag	10000
Labelling & Programming of RFID Tags, and covering with tamperproof labels on 8,000 books	

Specifications

HF RFID Tags

- The RFID tags should comply to ISO 18000–3 mode 1, ISO 15693 & ISO 28560
- Dimensions of the book tag should be 85 mm X 85 mm or less
- RF ID Tags should have minimum memory of 1024 bits
- The RFID tags should operate at HF Frequency.
- The RFID tags should have the capability to provide over 100,000 read/write operations
- The RFID Tags should have NXP ICODE SLIX processor or equivalent
- The RFID Tags should have inbuilt antenna
- The RFID Tags should have 32 bit password protection
- Overall thickness of the RFID Tags should be around 0.4 mm or less
- The RFID Tags should be protected with tamper proof labels preprinted with IISER Logo/Special Design/text
- RF ID Tags should be water resistant and self-adhesive, and be flexible enough so as to be able to bend or crease
- The RF ID Chip of the tag should have been designed specifically for the Library use, with security function for item antitheft.

Multi-purpose staff station

- It should consist of an RFID-antenna, a RFID-reader.
- The RFID chip would have multi read function- several tags should be able to read at once.=
- The RFID antenna should be fully shielded and should have a focused read area. It should only read items that are placed on it. It should not read items that are in the vicinity.
- The staff station interface should work with Evergreen Library Management Software [using SIP/NCiP V2.0]
- The staff station should be able to perform both circulation related activities like issue, return and renew etc. and conversion (tagging) activities taking ≤ 5 seconds per item to complete.
- The OEM software should enable Library staff to activate and deactivate security without interaction with the Library Management Software(LMS)
- Staff Station should comply to ISO 28560 standard
- The staff station should be able to read multiple books up to a minimum height of 25 cm
- The staff station should not require any communication with the LMS, so that staff can carry out the conversion process from any location in the library
- The vendor should provide OEM software for the staff station.
- The staff station should have an option to add a receipt printer and Barcode reader.

Handheld stock management system

- The Handheld reader should be cordless and light-weight (not more than 1 Kg including battery)
- The handheld reader should read most RFID tag formats
- It should have built-in display

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- The handheld system should have the capability to work off-line
- The handheld reader should be ideal for shelf check ordering, shelf-reading, re-shelving, searching, weeding and exception finding
- The handheld reader should simultaneously perform shelf-reading, searching and inventory scans
- The handheld reader should detect the security status of an Item
- The handheld reader should identify the items which are not properly checked-in or checked-out
- The handheld system should have an antenna that is designed to effectively scan the books as it is moved along the shelf edge
- The device's display panel should display information relating to the current task
- It should support both audio and visual notifications
- The device should allow the user to navigate through the onscreen menu
- The system should provide an effective read range of up to 10-15 cm
- The system should support scanning rate of between 50-60 items of library shelving per minute
- The system should be able to import .txt and .csv files to use as 'search' records
- The vendor should provide OEM software for the handheld reader
- The Handheld reader should come with preinstalled Operating System
- The Handheld reader should support for external memory like SD/microSD Card etc.
- The Handheld reader should have desktop charging cradle.
- Handheld reader to be compatible with ISO 18000-3

Security gate with base plate

- The Gates should be able to detect the RFID tag on which the security is set
- Security Gate should have minimum detection height of 2400 mm
- Security gates should have Operating frequency of 13.56 MHz
- Gates should support various tag types like ISO 15693, ISO 18000-3-A, (Infineon my-d, NXP I-Code, SLI, SLIx, SLIx2)
- The gate should have provision to connect with CCTV equipment and with automatic doors for higher security.
- The gate should have optimal detection performance at a pedestal distance of at least 160cms (1.6mtrs)
- Security gates should have both sound and light based Security Alarms
- 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
- The security gate should have a configurable option to alarm only when items pass in one direction
- The gates should have a highly visible integrated LED display to monitor the patron traffic (incoming and outgoing), to monitor alarm counts and diagnostics
- The security gate should have a flexibility to be mounted on a metal base plate. The base plate should have concealed cable passage.
- Security gates should be modular in nature. The library should be able to place orders for additional pedestals or gates as and when required
- The gate should support multiple RFID data encoding models simultaneously
- The vendor should provide OEM software for gates
- Different clusters of gates can be logically connected to the same computer
- Clusters of gates can be given customized names for ease of identification
- The security gate should be integrated with the Library management system via SIP2 protocol
- The gate should have the functionality to count the number of people passing through each cluster
- The security gate once integrated with the LMS via SIP2, should have the functionality to display the ID and title of item(s) generating the alarm, the exact time and date of the incident and the pedestal ID
- The security gate should read at least 5 RFID tags per second in all three orientations
- The security gate should be able to detect RFID enabled Print Materials, CD, Single sided DVD, Audio Cassettes and Video Cassettes

Self-service kiosk

- The kiosk should be aesthetically designed, free standing and sturdy

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- The kiosk should have integrated touch screen and speaker
- The kiosk should have an easy accessible, integrated printer with Auto Paper cut. The printer should accept standard 80mm printer rolls. The printer should be secured with an inbuilt lock
- The kiosk should have an option to customize the print receipt with Institution name, logo, contact details and custom messages
- The UI of the kiosk should be customizable with Institution logo
- The tag reading area of kiosk should be clearly marked
- The LED screen should not have any visible buttons like power, contrast, volume etc.
- The kiosk should be able to interface with the Evergreen Library Management System and should be able to issue, return and renew library items based on the RFID label attached to the items
- The kiosk should work with the existing ISO 14443 A/B Mifare ID cards, being used in the Institute
- All the components and wires should be concealed inside the casing of the kiosk
- The Kiosk should support for ISO 15693, ISO 18000-3-A (NXP SLI, SLIx, SLIx2) Tag types
- The kiosk should be audio enabled in order to have the possibility for extended communication with the patron
- The software should enable checking library items in and out based on a SIP2 connection to the Evergreen library management system, being used by the Institute
- The software should enable patrons to check their account (items borrowed, due date for return, any fees / fines pending etc.
- When processing library items (issue, return or renewal) the status of each item should be displayed including setting of the security bit and type of item (i.e. books, CD / DVD's,)
- The software should allow the library to choose between several standard themes designs
- The Library should be able to showcase / display information on the kiosk timed with desired start date and end date
- The kiosk interface should support the following Indian Languages English & Hindi
- The software should allow the patron to switch language whenever he/she wants to – also in the middle of an issue / return session
- The software should enable a patron to complete all functions (check in, check out, check account, renewal etc.) under one login, making the transaction process easy and smooth.
- The software should be configured to continue working in offline mode, when the connection to the LMS has failed. The software should continue to let patrons borrow and return items to provide a continuous service; then once the connection to the LMS has been restored, all offline transactions should be automatically uploaded to the LMS ensuring that all transaction history has been updated. If transactions fail to upload correctly then the staff should be alerted automatically
- The kiosk should be able to handle minimum 5 items at one time
- The vendor should provide OEM software for the kiosk
- The Kiosk should have a flexible scanning options to read digital (For ex: from mobile phones) and physical barcodes. The kiosk should have an options to adjust the scanner to read RFID and Barcode based items
- The Kiosk should be connected to library network through physical LAN network.

Control system software

- There should be a central administration tool provided with the above mentioned hardware components to remotely monitor, report and configure the RFID devices
- All network communication should be secured through https connections (SSL security certificate)
- The system should allow for individual configurable access rights. Login should take place with ID and PW. Certified library staff users should be able to manage different security groups and given specific access rights
- There should be no limitation on the number of library staff users that can get access rights
- One should have the possibility to dedicate certain users or certain types of equipment to certain users
- The control system should be able to receive event- and error messages from devices, i.e. the paper roll in getting consumed

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- The control system should enable users to look at the current status of devices and their main components and make diagnostics
- The control system should provide statistics of utilization, i.e. transactions per time unit, whereby the time intervals can be set. The statistics should be exported into various standard formats i.e PDF, Word, Excel, HTML, Text and XML
- The control system should enable the certified user to change the configuration of devices
- The control system should be able to send email or SMS text alerts to the Library User if any device failure also the library user can define the email or SMS time interval

General Conditions

- The Project consists of complete supply, installation, commissioning, training, successful implementation of RFID based electronic security system devices and tags and integration with SIP2 or NCIP V2.0 protocol complied with existing "Evergreen" Library Management Software being used in the Library.
- Firm should undertake labeling & programming of tags, and covering with tamperproof labels in 8000 books.
- All the RFID components chosen for complete solution must conform to ISO 15693/ISO 18000-3 (HF Tag/ reader)
- All the hardware items in the bill of materials should be from the same OEM
- No consortiums are allowed
- The OEM should have at least One RFID implementation in centrally funded educational institution in India.
- The OEM must have successfully implemented, integrated and commissioned a complete RFID based library solution on 'Evergreen' library management software anywhere in the world. It is mandatory to enclose list of such libraries along with name, designation, email IDs etc. of the contact person of those libraries.
- OEM's or OEM's Direct Authorized reseller will only be allowed to bid for the project.
- The vendor should submit the authorization letter from the OEM.
- Bidders should bid for the entire project. Partial bids will not be entertained.
- The system should be integrated with the Library's **'Evergreen'** Integrated Library Management Software through SIP2 /NCIP protocol.
- Approved makes for the hardware items are 2CQR/Bibliotheca/ D Tech International /FE Technologies.
- Should have a dedicated support team in India and should resolve any issues within 24 hours. Support can be provided through call / email / Skype / any remote supporting tools. For Critical issues the vendor should send the support engineers to onsite for resolving the issue.
- All data stored in the RFID Tags should be as per the international data model. The tags will be tested with other vendor / bidder's products for compatibility. Any proprietary based saving of information of RFID Tags will not be accepted and bid will be disqualified.
- Any upgrade in the software provided by the bidder for the RFID hardware should be provided free of cost during the maintenance contract at no additional cost.
- The bidder should agree towards local customization and personalization (if any) of the proposed system during the implementation stage and also during the warranty period in order to ensure smooth functioning and to create user friendly environment.
- The information pertaining to infra-structural, power and any other requirement for satisfactory installation and commission of the wholes system must be provided by the bidder at least 3 weeks in advance of the installation.
- Vendors should install and make it functional the entire RFID components/system in the current premise of the library (in Vithura Campus), and reinstall and make it functional in the upcoming premise of the library (in

Vithura Campus) when it moves there, free of cost.

- Vendor should fill and submit the compliance sheet provided under Appendix A.
- Technical bid should list all components of the solution in the format given under Appendix B
- Price bid should be submitted in the format given under Appendix C
- All components should carry 3 Year onsite warranty
- 4th and 5th year onsite AMC price to be quoted separately
- 4th and 5th year onsite AMC price will be used to decide L1 vendor
- Supply and installation at IISER Vithura campus

Appendix A – Compliance Sheet

Specification	Compliance (Check boxes below on Yes or No)		
	Yes	No	Remarks
HF RFID TAGS			
The RFID tags should comply to ISO 18000–3 mode 1, ISO 15693 & ISO 28560,			
Dimensions of the book tag should be 85 mm X 85 mm or less			
RF ID Tags should have memory of 1024 bits			
The RFID tags should Operate at HF Frequency.			
The RFID tags should have the capability to provide over 100,000 read/write operations			
The RFID Tags should have NXP ICODE SLIX processor or equivalent			
The RFID Tags should have inbuilt antenna			
The RFID Tags should have 32 bit password protection			
Overall thickness of the RFID Tags should be around 0.4 mm or less			
The RFID Tags should be protected with tamper proof labels pre-printed with IISER logo/special design/text			
RF ID Tags should be water resistant and self-adhesive, and be flexible enough so as to be able to bend or crease.			
The RF ID Chip of the tag should have been designed specifically for the Library use, with security function for item antitheft.			
MULTI-PURPOSE STAFF STATION			
It should consist of an RFID-antenna, a RFID-reader.			
The RFID chip would have multi read function- several tags should be able to read at once.			
The RFID antenna should be fully shielded and should have a focused read area. It should only read items that are placed on it. It should not read items that are in the vicinity.			
The staff station interface should work with Evergreen Library Management Software.			
The staff station should be able to perform both circulation related activities like issue, return and renew etc. and conversion (tagging) activities taking ≤ 5 seconds per item to complete.			
The OEM software should enable Library staff to activate and deactivate security without interaction with the LMS			
Staff Station should comply to ISO 28560 standard			
The staff station should be able to read multiple books up to a minimum height of 25 cm.			

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The staff station should not require any communication with the LMS, so that staff can carry out the conversion process from any location in the library			
The vendor should provide OEM software for the staff station.			
The staff station should have an option to add a receipt printer and barcode reader.			
HANDHELD STOCK MANAGEMENT SYSTEM			
The Handheld reader should be cordless and light-weight (not more than 1 Kg including battery)			
The handheld reader should read most RFID tags format.			
It should have built-in display.			
The handheld system should have the capability to work off-line.			
The handheld reader should be ideal for shelf check ordering, shelf-reading, re-shelving, searching, weeding and exception finding.			
The handheld reader should simultaneously perform shelf-reading, searching and inventory scans.			
The handheld reader should detect the security status of an Item.			
The handheld reader should identify the items which are not properly checked-in or checked-out.			
The handheld system should have an antenna that is designed to effectively scan the books as it is moved along the shelf edge.			
The device's display panel should display information relating to the current task. It should support both audio and visual notifications.			
The device should allow the user to navigate through the onscreen menu.			
The system should provide an effective read range of up to 10-15 cm			
The system should support scanning rate of between 50-60 items of library shelving per minute			
The system should be able to import .txt and .csv files to use as 'search' records.			
The vendor should provide OEM software for the handheld reader.			
The Handheld reader should come with preinstalled Operating System			
The Handheld reader should support for external memory like SD/microSD Card etc.			
The Handheld reader should have desktop charging cradle.			
Handheld reader to be compatible with ISO 18000-3			
SECURITY GATE with Base Plate			
The Gates should be able to detect the RFID tag on which the security is set.			
Security Gate should have minimum detection height of 2400 MM.			
Security gates should have Operating frequency of 13.56 MHz			
Gates should support various tag types like ISO 15693, ISO 18000-3-A, (Infineon my-d, NXP I-Code, SLI, SLIx, SLIx2)			
The gate should have provision to connect with CCTV equipment and with automatic doors for higher security.			
The gate should have optimal detection performance at a pedestal distance of at least 160 CM (1.6 Mtrs.)			
Security gates should have both sound and light based security alarms			

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.			
The security gate should have a configurable option to alarm only when items pass in one direction.			
The gates should have a highly visible integrated LED display to monitor the patron traffic (incoming and outgoing), to monitor alarm counts and diagnostics.			
The security gate should have a flexibility to be mounted on a metal base plate. The base plate should have concealed cable passage.			
Security gates should be modular in nature. The library should be able to place orders for additional pedestals or gates as and when required.			
The gate should support multiple RFID data encoding models simultaneously.			
The vendor should provide OEM software for gates.			
Different clusters of gates can be logically connected to the same computer			
Clusters of gates can be given customized names for ease of identification.			
The security gate should be integrated with the "Evergreen" library management system via SIP2 protocol.			
The gate should have the functionality to count the number of people passing through each cluster.			
The security gate once integrated with the LMS via SIP2, should have the functionality to display the ID and title of item(s) generating the alarm, the exact time and date of the incident and the pedestal ID.			
The security gate should read at least 5 RFID tags per second in all three orientations.			
The security gate should be able to detect RFID enabled Print Materials, CD, Single sided DVD, Audio Cassettes and Video Cassettes.			
SELF-SERVICE KIOSK			
The kiosk should be aesthetically designed, free standing and sturdy.			
The kiosk should have integrated touch screen and speaker.			
The kiosk should have an easy accessible, integrated printer with Auto Paper cut. The printer should accept standard 80mm printer rolls. The printer should be in secured with an inbuilt lock.			
The kiosk should have an option to customize the print receipt with Institution name, logo, contact details and custom messages.			
The UI of the kiosk should be customizable with Institution logo.			
The tag reading area of kiosk should be clearly marked.			
The LED screen should not have any visible buttons like power, contrast, volume etc.			
The kiosk should be able to interface with the **"Evergreen"** Library Management System and should be able to issue, return and renew library items based on the RFID label attached to the items.			
The kiosk should work with the existing ISO 14443 A/B Mifare ID cards, being used in the Institute.			
All the components and wires should be concealed inside the casing of the kiosk.			
The Kiosk should support for ISO 15693, ISO 18000-3-A (NXP SLI, SLIx, SLIx2) Tag types.			
The kiosk should be audio enabled in order to have the possibility for extended communication with the patron.			
The software should enable checking library items in and out based on a SIP2 connection to the "Evergreen" library management system, being used by the Institute.			

Th software should enable patrons to check their account (items borrowed, due date for return, any fees / fines pending etc.).			
When processing library items (issue, return or renewal) the status of each item should be displayed including setting of the security bit and type of item (i.e. books, CD / DVD's,)			
The software should allow the library to choose between several standard themes designs.			
The Library should be able to showcase / display information on the kiosk timed with desired start date and end date			
The kiosk interface should support English & Hindi Languages.			
The software should allow the patron to switch language whenever he/she wants to – also in the middle of an issue / return session			
The software should enable a patron to complete all functions (check in, check out, check account, renewal etc.) under one login, making the transaction process easy and smooth.			
The software should be configured to continue working in offline mode, when the connection to the LMS has failed. The software should continue to let patrons borrow and return items to provide a continuous service; then once the connection to the LMS has been restored, all offline transactions should be automatically uploaded to the LMS ensuring that all transaction history has been updated. If transactions fail to upload correctly then the staff should be alerted automatically			
The kiosk should be able to handle minimum 5 items at one time			
The vendor should provide OEM software for the kiosk.			
The Kiosk should have a flexible scanning options to read digital (For ex: from mobile phones) and physical barcodes. The kiosk should have an options to adjust the scanner to read RFID and Barcode based items			
The Kiosk should be connected to library network through physical LAN network.			
CONTROL SYSTEM			
There should be a central administration tool provided with the above mentioned hardware components to remotely monitor, report and configure the RFID devices.			
All network communication should be secured through https connections (SSL security certificate).			
The system should allow for individual configurable access rights. Login should take place with ID and PW. Certified library staff users should be able to manage different security groups and given specific access rights			
There should be no limitation on the number of library staff users that can get access rights.			
One should have the possibility to dedicate certain users or certain types of equipment to certain users			
The control system should be able to receive event- and error messages from devices, i.e. the paper roll in getting consumed.			
The control system should enable users to look at the current status of devices and their main components and make diagnostics.			
The control system should provide statistics of utilization, i.e. transactions per time unit, whereby the time intervals can be set. The statistics should be exported into various standard formats i.e PDF, Word, Excel, HTML, Text, XML.			
The control system should enable the certified user to change the configuration of devices.			
The control system should be able to send email or SMS text alerts to the Library User if any device failure also the library user can define the email or SMS time interval.			

Appendix B: Technical Bid

Sl. No.	Part-No	OEM	Description	Quantity
1			HF RFID Tags	10,000
2			Multi-purpose staff station	2
3			Handheld stock management system	1
4			Security gate with base plate	1 pair
5			Self-service kiosk	1
6			Control system software	1
7			Pre-printed tamperproof adhesive labels with IISER logo/special design/text to cover RFID Tag	10,000

Appendix C – Price Bid

Sl.No	Part-No	OEM	Description	Unit price with TAX	Quantity	Total Price
1			HF RFID Tags		10,000	
2			Multi-purpose staff station		2	
3			Handheld stock management system		1	
4			Security gate with base plate		1 Pair	
5			Self-service kiosk		1	
6			Control system software		1	
7			Pre-printed tamperproof adhesive labels with IISER logo/special design/text to cover RFID Tag		10,000	
8	Pasting of RF ID Tag and covering with Pre-printed tamperproof adhesive labels and programming of RF Tags.				8,000	
9	Implementation, Training, and support during the warranty period for RFID solutions					
10	4^{th} & 5^{th} Year onsite AMC charges					
11	Tax, Cess etc.					
	Total Price (in Rs.) including Tax					

17/05/2018