

India International Centre
40, Max Mueller Marg
New Delhi - 110003
Telephone Number: 011 – 24619431
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Tender Document for RFID (Radio Frequency Identification) for IIC Library

Sl. No.	BID-DATA SHEET	
1.	Tender Number	No. IIC/LIB/206
2.	Bid validity	90 days
3.	Issue of Tender Forms	Tender Forms will be sent to those agencies who have responded to EoI.
4.	Tender Document Delivery Mode	Through Speed Post / Registered Post/ Courier or in person
5.	Bid Security/ Earnest Money Deposit (EMD)	Rs. 50,000/- along with the Tender document in the form of Bank Draft drawn in favour of India International Centre, New Delhi.
6.	Performance Bank Guarantee	@ 10% of the contract value for 5 years
7.	Publish Date	30/04/2026
8.	Document Release Date	02/05/2026
9.	Pre-Bid Meeting	12/05/2026
10.	Bid Submission Start Date	14/05/2026
11.	Bid submission End Date	26/05/2026
12.	Bid Opening Date	27/05/2026
13.	Contact Person	For Queries: Dr. Usha Mujoo Munshi Chief Librarian India International Centre 40, Max Mullar Marg New Delhi 11 00 03 Phone: +91-11-24620544 Email: cl@iicdelhi.in (During office hours 9.00 am to 6.00 pm (Mon-Sat))
14.	Contact Address	India International Centre 40, Max Mueller Marg New Delhi 11 00 03

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Checklist and Index of the Technical Bid Document in the Order Indicated Below

S. No	Document to be Attached	Whether submitted
1	EMD as mentioned in the Bid data sheet at Sl. No. 5	Yes <input type="checkbox"/> / No <input type="checkbox"/>
2	Tender Document signed and stamped on each page	Yes <input type="checkbox"/> / No <input type="checkbox"/>
3	Filled in and signed the Technical Bid on the company's letterhead	Yes <input type="checkbox"/> / No <input type="checkbox"/>
4	Profile of the Company	Yes <input type="checkbox"/> / No <input type="checkbox"/>
5	PAN Number	Yes <input type="checkbox"/> / No <input type="checkbox"/>
6	GST Registration Certificate	Yes <input type="checkbox"/> / No <input type="checkbox"/>
7	Certificate of incorporation (in case of a company)	Yes <input type="checkbox"/> / No <input type="checkbox"/>
8	MSME Registration certificate (if registered)	Yes <input type="checkbox"/> / No <input type="checkbox"/>
9	CA Certificate regarding the Company's Turnover & net profit for the last three financial years.	Yes <input type="checkbox"/> / No <input type="checkbox"/>
10	Client Details for the RFID system for the Library in the given format	Yes <input type="checkbox"/> / No <input type="checkbox"/>
11	Completion certificate from the clients indicated at Sl. No. 6	Yes <input type="checkbox"/> / No <input type="checkbox"/>
12	OEM Authorisation Certificate	Yes <input type="checkbox"/> / No <input type="checkbox"/>
13	Valid SIP2/ NCIP protocol & ISO standards 15693 / 18000-3 (ISO 28560 Compliant) Operating Frequency for tags should be 13.56 MHz Certificates attached	Yes <input type="checkbox"/> / No <input type="checkbox"/>
14	Certificate on the company's letterhead stating that the vendor is not blacklisted	Yes <input type="checkbox"/> / No <input type="checkbox"/>
15	Confirmation that the technical specifications are as per Annexure I Attach details if additional facilities are offered. Financial Bid submitted as per Annex-II	Yes <input type="checkbox"/> / No <input type="checkbox"/>
16	Confirmation that all products and parts carry comprehensive onsite warranty & support for 5 years from the date of completion of the project (Excepting lifetime warranty of RFID tags)	Yes <input type="checkbox"/> / No <input type="checkbox"/>
17	Covering letter on the company letterhead	Yes <input type="checkbox"/> / No <input type="checkbox"/>

Terms & Conditions applicable for this tender are as follows:

1. Technical and Financial bid should be submitted on the company letterhead and should be submitted duly signed by the authorised person.
2. The financial bid shall be valid for at least 90 days. The IIC will not entertain any request regarding the escalation of prices for any reason whatsoever.
3. Financial Bids of only those firms will be opened, whose Technical Bids are found compliant/suitable after the technical evaluation done by the IIC.
4. The vendors are required to make a presentation (Max time-15 Minutes) regarding their proposed product and solution as part of the Technical evaluation at the India International Centre.
5. The items will be supplied and installed at IIC, New Delhi; nothing extra shall be paid towards the cartage, packing, forwarding, Octroi, etc.
6. In case any item is found to be defective /substandard, the same shall be rejected. IIC shall not make any payment for such items and shall be removed from the site immediately.
7. The IIC reserves the right to terminate the contract by giving 15 days' notice in writing without assigning any reason whatsoever.
8. Vendor may inspect the site and contact: **Chief Librarian: Dr Usha Mujoo Munshi** on any working day between (10:00 AM to 5:00 PM).
9. The project should be completed and the whole system should be commenced **90** days from the date of issue of the work order.
10. In case the Project is not completed on the due date, then a penalty shall be imposed @ 2% per week of contract value, maximum 10% (standard).
11. If the contract is awarded and work is not initiated by the vendor within 10 days of receiving the work order, then EMD amount will be forfeited.

12. Termination for Default

The IIC may, without prejudice to any other remedy, for breach of work order/contract in whole or part, terminate the contract.

The contract will be terminated if

- Vendor fails to provide any or all of the services for which it has been recognized within the period(s) specified in the agreement, or within any extension period thereof if granted by the IIC pursuant to conditions of the work order/contract. OR
- In the judgment of the IIC, it is engaged in corrupt or fraudulent practices in competing for or in executing the work order/contract or it fails to follow instructions, guidelines, and submission of reports, lists, and data.
- If a bid is not substantially responsive, it will be rejected by India International Centre and may not subsequently be made responsive by the service provider by correction of the nonconformity. India International Centre's determination of bid responsiveness will be based on the contents of bid itself and any written clarifications sought by India International Centre in writing the response to which shall also be in writing and no change in rates shall be permitted in response.

- 13.** Offers shall be deemed to be under consideration immediately after they are opened and until such time the official intimation of award of contracts is made by the India International Centre to the service provider. While the offers are under such consideration, service provider and or their representatives, and other interested parties are advised to refrain from contacting India International Centre by any means. If necessary, IIC will obtain clarifications on the offers by requesting for such information from any or all the service providers, in writing, as may be considered necessary. **Bidders will not be permitted to change the substance of their offers after the bids have been opened.**
- 14.** Bidders are invited to quote their rates on the enclosed format provided in accordance with the above instructions and all the conditions of the Tender.
- 15. Any failure on the part of the service provider to observe the prescribed procedure and any attempt to canvass for the work shall render the bidder's bids liable for rejection.**
- 16. Queries/Clarifications:**
For any other query relating to technical specifications, the bidders may submit their queries through email to cl@iicdelhi.in latest by till 15.00 Hrs., after which no query shall be taken into account. Any corrigendum, if required, will be uploaded on the IIC Website.
- 17. IIC reserves the right to allot/cancel the tender invited as it may deem fit and proper and to reject the tenders without assigning any reasons at any stage.**

Tender Evaluation Process

During tender evaluation, India International Centre may, at its discretion, ask the bidder for a clarification of its tender.

- The request for clarification and response shall be in writing, and no change in the price or substance of the tender shall be permitted in response.
- The tenders received will be evaluated by India International Centre to ascertain the technical suitability and the lowest acceptable tender in the interest of India International Centre, as specified in the specification and tender documents.
- India International Centre reserves the right to reject any / all bids, including the lowest bid or withdraw the tender at any stage without assigning any reasons. Nothing contained herein shall confer right upon a service provider or any obligation upon India International Centre.

a) AMENDMENT of Tender Document:

At any time before the scheduled submission of the bid, IIC may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Tender Document by issuing an addendum. The amendment in the form of an addendum uploaded on the IIC website will be binding on the bidders.

- IIC may, at its discretion, extend the date for submission and/or opening of the bid, in order to allow prospective bidders, for the submission of bids for a reasonable time to take the amendment into account in preparing their bid.
- Acceptance of the specified terms and conditions is mandatory for consideration of bid.

b) SUB-LETTING OF CONTRACT: In no case shall the successful bidder be allowed to sublet this project on a back-to-back basis at any stage. In the event of the bidder contravening this condition, the contract shall be terminated with immediate effect.

Acceptance of the Payment terms specified in the milestone and payment terms point No.5.

c) ACCEPTANCE AND WITHDRAWAL

The final acceptance of the tender would entirely vest with IIC, who reserves the right to accept or reject any tender, without assigning any reason whatsoever. There is no obligation on the part of IIC to communicate in any way with rejected bidders. After acceptance of the tender by IIC, the bidder shall have no right to withdraw their tender or claim a higher price.

- Bids received with incomplete information are liable for rejection.
- **Any dispute/ difference arising out or relating to this tender:** Matters regarding any dispute shall be referred for arbitration to any Officer appointed by the Director of India International Centre, whose decision shall be binding and final.

d) Milestones & Payment Terms:

The payment to the vendor shall be released in stages linked to achievement of defined milestones, subject to certification by the competent authority:

- 10% – On submission of PBG and completion of kick-off
- 20% – On supply and delivery of RFID tags and hardware

- 25% – On completion of RFID tagging of all books
- 20% – On installation and successful LMS integration
- 15% – On completion of training and UAT sign-off
- 10% – On go-live and successful stabilisation

General Conditions:

- Payments shall be released upon submission of invoices and certification of milestone completion.
- Applicable taxes and statutory deductions shall be made as per rules.
- Payments may be withheld or reduced in case of delay/non-performance as per Work Order terms.
- Final payment shall be released only after successful completion and acceptance of the system.

Payment Terms for 4 Years Onsite extended warranty & Support: To be paid half-yearly post expiry of standard warranty period of 1 year.

ANNEXURE-I

**Data to be submitted in Technical Bid & Evaluation Criteria
(Data Sheet)**

S No.	Description	Company Response				Remarks
1	Submitted Profile of your firm/company	Yes <input type="checkbox"/> / No <input type="checkbox"/>				
	Year of establishment					
	Number of employees					
	Annual Turnover for the last 3 Financial Years. Attach the CA Certified income certificate for the last 3 financial years.	Years	1 st year 2022-23	2 nd Year 2023-24	3 rd year 2024-25	
	Year					
	Turnover					
2	Annual Turnover of each year for the last 3 financial years more than 5.00 (Five) Cr.	Yes <input type="checkbox"/> / No <input type="checkbox"/>				
3	Names & addresses of clients, with the contact details of the contact persons of the clients, where you have completed the RFID system for the library. Please provide photocopies of the Purchase Order and completion certificate for the RFID system for the library for the three clients mentioned. Please fill the details in the structured page given at Page No. 10	Yes <input type="checkbox"/> / No <input type="checkbox"/>				
4	Name of OEM for RFID items for which the quote is submitted. Whether an authorised partner of OEM. (Attached valid OEM Certificate)	Yes <input type="checkbox"/> / No <input type="checkbox"/>				
5	The Bidder must be Compliant with ISO standards 15693/18000-3 (ISO 28560 compliant) OPERATING Frequency for tags should be 13.56 MHz SIP2 / NCIP NISO Protocol Attach copies of valid certificates	Yes <input type="checkbox"/> / No <input type="checkbox"/>				
6	Contact details of the authorised person of the company. Name : Office Tel No.: Mobile no.: Official E-mail ID:	Yes <input type="checkbox"/> / No <input type="checkbox"/>				
6	A declaration on the company's letterhead that the Bidder has not been blacklisted must be submitted by the Bidder.	Yes <input type="checkbox"/> / No <input type="checkbox"/>				
7	EMD as given in the bid data sheet at serial no. 5 (For successful bidders, EMD amount will be released after the receipt of the performance bank guarantee).	Yes <input type="checkbox"/> / No <input type="checkbox"/> EMD of unsuccessful bidders will be returned after the whole selection process is over.				

8	The Product & Solution quoted meets the technical specifications as given in Annexure-I & II Attach the technical data sheet of all the products quoted For any additional feature being provided by you, kindly attach the additional sheet	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
11.	Technical Presentation will be done in IIC.	Yes <input type="checkbox"/> / No <input type="checkbox"/>	

Resolution time

Data Security

Data confidentiality and NDA

**Details of Clients where the RFID system in the library were implemented: -
(All fields are Mandatory)**

S.No.	Client Name	Value of the Project	No of Books	Client Contact No.	Client Email ID	Completion Certificate Attached
						Yes <input type="checkbox"/> / No <input type="checkbox"/>
						Yes <input type="checkbox"/> / No <input type="checkbox"/>
						Yes <input type="checkbox"/> / No <input type="checkbox"/>
						Yes <input type="checkbox"/> / No <input type="checkbox"/>
						Yes <input type="checkbox"/> / No <input type="checkbox"/>
						Yes <input type="checkbox"/> / No <input type="checkbox"/>
						Yes <input type="checkbox"/> / No <input type="checkbox"/>

Process of Selection

The selection of the service provider for implementation of the RFID-based Library Management System at India International Centre (IIC), New Delhi shall be carried out through a transparent, objective, and Quality and Cost Based Selection (QCBS) methodology.

Evaluation Methodology

The bids received against this RFP shall be evaluated in three sequential stages:

- Stage I – Eligibility & Responsiveness Check
- Stage II – Technical Evaluation
- Stage III – Financial Evaluation & Final Selection

Only those bidders who qualify at each stage shall be considered for the subsequent stage.

Stage I – Eligibility & Responsiveness Check

The Technical Bids (Envelope–A) shall be examined to verify compliance with eligibility criteria including:

- Experience in RFID-based Library System implementation
- OEM Authorization / System Integrator eligibility
- Compliance with RFID standards (ISO 15693 / ISO 18000-3 / SIP2/NCIP)
- Minimum turnover and profitability criteria
- Submission of statutory registrations (GST, Company Registration)
- Non-blacklisting declaration

Bids failing to meet mandatory eligibility requirements shall be rejected at this stage.

Stage II – Technical Evaluation:

Only technically responsive bidders shall be evaluated by the Evaluation Committee. The evaluation shall be based on experience, project credentials, organizational capability, and technical presentation.

Technical Evaluation Criteria

Criteria	Marks
• Experience in RFID Library Projects	25
• Total Value of RFID Projects Executed	10
• Experience in Similar Business	10
• Average Turnover (Last 3 Years)	5
• Technical Presentation & Solution Approach	50

Minimum **60 marks out of 100** shall be required to qualify for financial evaluation.

Note:

Marks shall be awarded strictly based on documentary evidence and presentation made before the Evaluation Committee.

Technical Score (TS)

TS = Technical Marks × 0.70

Stage III – Financial Evaluation:

Financial bids of technically qualified bidders shall be opened. The lowest financial bid (L1) shall be awarded 30 marks.

Financial Score (FS)

Financial score (FS) shall be calculated as:

$$FS = (\text{Lowest Financial Bid} / \text{Quoted Financial Bid}) \times 30$$

Final Selection:

Final Score shall be calculated as:

$$\text{Final Score} = \text{TS} + \text{FS}$$

The bidder securing the highest Final Score shall be declared the successful bidder (H1).

Right of the Purchaser:

India International Centre reserves the right to accept or reject any or all bids without assigning reasons. The decision of IIC shall be final and binding.

**Technical Specifications of Radio Frequency Identification (RFID) System for Library in India
International Centre Campus**

***Attach the technical data sheet of all the products quoted**

Name of the item/Equipment: Radio Frequency Identification (RFID) System

Technical Specifications of Radio Frequency Identification (RFID) System to be integrated with the existing Virtua software.

Technical Compliance Report for Radio Frequency Identification (RFID) System:

Item No. 1: Library Staff Station		Qty.	Matched/ Not Matched	Remarks (If any)
Read/Write/Anti-theft programming should be done in one single operation		1		
Read/Write distance of Up to 25 cm and programming time of 1 second				
Should be fully ISO/IEC 14443A, 15693 and ISO 18000:3 compliant				
The programming station should interface with the Library Management Software using NCIP V2.0 protocol				
Integrated with reader for patron ID Card based ISO/IEC 14443A Mifare Plus for personalization of data and read for circulation into the ISO/IEC 14443A/B Mifare Plus passive contact less 1Kb smart card in the pre-defined location in the memory The details of memory location in smart card will be provided at appropriate time				
SIP2/NCIP V2.0 compliance software interface integrated with integrated library management software for all operations like patron card personalization, check-in. check-out, renew, reserve etc of library circulation				
Check-in/Check-out Read Range: upto six books of average size (Approx. 250 mm).				
Specifications				
Parameter	Technical Specs			
Operating Frequency	13.56 MHz			
Power Supply	5V to 12V			
Power Consumption	1.2W minimum			
Transmitting Power	1W minimum			
Read Range	Up to 30 cm			
Antenna	Internal			

Communication Interface	USB/RS232/Ethernet			
Supported Transponders	ISO 15693, ISO 14443A/B and ISO 18000:3			
Indicators	LED / Buzzer for power, read verification etc.			
Operating Temperature	-10°C to +70°C			
Housing Material	ABS or Similar			

Item No. 2: RFID Handheld Portable Reader			
Item Minimum Specifications	Qty.	Matched/ Not attached	Deviation, If any
The portable handheld reader (Wand) and the required accessories must be a cordless, one-piece design, to be held in one hand.	1		
The portable handheld reader must feature sound battery backup.			
The total weight of the portable handheld reader must be less than 1 Kg., including battery, RFID reader, antenna and computing unit, and any other components that must be carried by the user.			
The portable handheld reader must be easily set down on a library shelf or cart when necessary to free the user's hands.			
The portable handheld reader must incorporate an ergonomic design, to aid user in reading shelves at all levels easy to use and be relatively non-stressful to wrist, arm, shoulder and elbow.			
The portable handheld reader battery life must allow the user to work for at least 4 hours before recharging.			
The portable handheld reader must use an anti-collision algorithm that does not limit the number of tags, which can be simultaneously identified and read.			
The portable handheld reader must have the capacity to download at least 1 million items from library's automation system onto the portable handheld reader memory medium.			
The proposed portable handheld reader must accommodate data collection simultaneously with other functions.			

The proposed system must accommodate Sorting, Shelving, Searching, finding of library documents and pulling the defined data to help the user.			
Capability to import delimited file into search options.			
Capability to export inventory data into delimited file format.			
The proposed portable handheld reader must have an audible tone and visible indicators to verify item has been identified.			
The handheld reader should include memory of at least 4GB. Enabled with external memory card.			
Specifications			
Parameter	Technical Specs		
Operating Frequency	13.56 MHz		
Power Supply	9V		
Standby Mode (battery life)	4 Hours		
Charging Time	4.5 Hours		
Transmitting Power	1W approximately		
Read Range	300mm (combined with a scanning rate of 400-600mm of library shelves)		
Communication Interface	USB		
Supported Transponders	ISO 15693-3, I Code		
Indicators	LED Indicator / LCD Display for Power, Read & Error and a configurable buzzer		
Operating Temperature	-10°C to +70°C		
Storage Memory	4GB		
Housing Material	ABS Plastic		

Item No. 3: Security Gate:			
Item Minimum Specifications	Qty	Matched/ Not Matched	Deviation, If any
Security gate should include two theft detection pedestals. Two separate antennas for large detection field range of 100 cm (minimum) between two pedestals. 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, integrated LED display, CCTV, locking gates etc. The offer must be complete in all respects with CCTV integration and must include all the components required for the functional of the system Library security gate. It should also have multi line infrared motion sensors to detect library foot falls and in-out numbers.	1		
Specifications:			
Parameter	Technical Specs		
Operating Frequency	13.56 MHz		
Power Supply	AC 230V / 50Hz		
Power consumption	30W maximum		
Transmitting Power	0.5W to 6W variable		
Read Range	Up to 1 m with pair of gates		
Communication Interface	RS232 / Ethernet		
Supported Transponders	ISO 15693-3, I Code		
Operating Temperature	-10°C to +70°C		
Communication Parameters	Baud Rate: 115200 Kbps		
Weight	25 Kg approximately		
Housing Material	ABS or similar		

Item No. 4: Self Check-in/Check-out Kiosk Station			
Item Minimum Specifications	Qty	Matched/ Not Matched	Deviation, If any
RFID Reader and Antenna with multiple Read/Write facility	1		
Kiosk should suit the library decor			
High Speed Thermal Slip Printer with auto cutter			
22" or higher portrait positioned branded LED touch screen monitor with high resolution display			
Branded Small Form Factor CPU			
Multi protocol firmware ISO/IEC 14443A. 15693 and ISO 18000:3 compliant			
Communication interface — Ethernet			

The Self Checkout station client software should interface with the ILMS Software giving following features:			
<ul style="list-style-type: none"> ◦ Check out / Renewal ◦ Check in ◦ Check Out ◦ Transaction Status ◦ Transaction Printout 			
Check-in/Check-out Read Range: upto six books of average size (Approx. 250 mm).			
Provision for display of reservations done by a user along with sequence and date of collection,			
Provision of enquiry of checkouts against a user and its due date.			
Provision for enquiry of fine against a user,			
Specifications			
Parameter	Technical Specs		
Operating Frequency	13.56 MHz		
Power Supply	180-230V Ac; 50 Hz		
Power Consumption	1.2W minimum		
Transmitting Power	1W approximately		
Read Range	20-25 cms, upto six books of average		
Antenna Size	300 X 300 mm		
Communication Interface	USB, Ethernet, and Wi-Fi		
Supported Transponders	ISO 15693, ISO 14443A/B and ISO 18000:3		
Operating Temperature	-10°C to +70°C		
Weight	25 Kg approximately		
Packaging Material	Wood		
Display	22" or higher TFT capacitive touch screen		

Item No. 5: RFID Book Issue Return Station			
Item Minimum Specifications	Qty.	Matched/Not Matched	Deviation, If any
A 24-hour operation should be possible	1		
Book Drop System with hydraulic bin			
Minimum 100 books bin to be provided			
Real-time check-in should be processed			
High Speed Thermal Slip Printer			
22" or higher LCD/LED Touch Screen Monitor using Capacitive Technology			

Small Form Factor CPU				
It should also have a high speed thermal Printer with auto cutter.				
Automatically offers option to print a slip / email a slip.				
Voice-enabled confirmation of transactions of books.				
Parameter	Technical Specs			
Operating Frequency	13.56 MHz			
Power Consumption	1.2W minimum			
Transmitting Power	1W approximately			
Communication Interface	USB, Ethernet, and Wi-Fi.			
Operating Temperature	-10°C to +70°C			
Supported Transponders	ISO 15693 and ISO 18000:3			
Display	22" or higher TFT capacitive touch screen			

Item No. 6: Smart Cards			
Item Minimum Specifications	Qty.	Matched/ Not Matched	Deviation, If any
The smart cards should be 1kb Mifare Plus cards with pre-printing on both sides (pre- printing to be approved by Department)	1		
The smart card must be for multipurpose use by the library users.			
Pre-printed with submitted design and institute logo			
1k byte EEPROM			
2048 bits memory storage and card size CR80			
Unique serial number			
16 securely separated sectors supporting multi- application			
Each sector consists 4 blocks with a length of 16 Byte			
2 x 48 bit keys per sector for key hierarchy			
Access conditions free configurable based on 2 level key hierarchy			
Number of single write operations: 100,000			
Note: IIC already has Mifare 4K card issued to its members. Vendor requires to recheck its compatibility with their solution and ensure its integration with IIC Software/database.			

Item No. 7: Self Adhesive RFID Tags (for Book)

Item Minimum Specifications	Qty	Matched/ Not Matched	Deviation, If any
<p>The RFID chip used in the tag should have been designed specifically for Library use. i.e. it should have three sections</p> <ul style="list-style-type: none"> ◦ Lockable section for item identification ◦ Re-writable section for library specific use ◦ Security function (EAS) for item anti-theft (which can be activated and deactivated), ◦ The RFID chip should have multi read function, i.e. several tags can be read at the same time 	60,000		
Tag size should be 80mm x 50mm with at least 2048 bits memory, multi-read and antitheft			
Distance for detection from pedestal should be minimum of 92 cms			
Tags should be fully ISO 15693/18000-3 compliant			
Other features: "Tag Talks First" (TTF) feature, tamper proof, detection rate of the system should be above 95% consistently regardless of the number of items that are in the field			
Rewritable and lifetime warranty for logic circuits and replacement of defective tags if found during first time tagging.			
<p>Mechanical Dimension</p> <ul style="list-style-type: none"> • Transponder coil size 80X50 mm ± 0.5mm • Transponder die-cut size 80 x 50 mm 0.2 mm • Thickness of the IC 150 micrometer ± 10% • Overall thickness of transponder package (excluding IC and siliconized paper) 200 micro meter ± 10% • Thickness of the siliconized wafer 56 micro meter 			
<p>Electrical characteristics</p> <ul style="list-style-type: none"> • Integrated Circuit (IC) Philips i-Code-SLI X. • ICS protocol /anti-collision ISO 15693/18000-3 • Operating frequency 13.56 MHz • Unloaded resonance frequency 14.15 MHz ±0.30 MHz • Memory 2048 bits R/W EEPROM 			
<p>General characteristics of transponder</p> <ul style="list-style-type: none"> • Operating temperature (electronics parts): -20°C to *85°C • ESD voltage immunity +12 kV peak. HBM • Bending diameter (D) > 50 mm. tension less than 10 N • Static pressure (P) < 10 MPa (10 N/mm²) 			

Item No. 8: Institution Labels

Item Minimum Specifications	Qty.	Matched/ Not Matched	Deviation, If any
Good quality self adhesive labels of following specification:	60,000		
Good quality smooth face			
Label printed with Name and logo (design to be approved by Department)			
Size: Minimum half-inch larger on all sides than the RFID tag			
Strong permanent adhesive, which does not leach into the paper of the book			

Item No. 9: Integration Module / Middleware Features (If required)			
Item Minimum Specifications	Qty.	Matched/ Not Matched	Deviation , if any
Client Software should support the following features and is to be integrated with the existing Integrated Library Management Software (ILMS)	1		
Tagging / Re-tagging after proper online validation of the title/member records in the LMS database			
Tag monitoring by accessing the item record from the ILMS database			
Patron Smart Card personalisation monitoring by accessing the patron ID from ILMS database			
Send SMS & Email for circulation and registration transactions, which can be selected for specific users.			
NCIP V2.0 compliance			
Retagging option for re-registration of books & patrons			
Sorting by accessing the Title record from ILMS			
Check out /Check-in/Renewal			
Provision to display the reservations done by a member along with the sequence and date of collection			
Provision of an enquiry of checkouts against a member and its due date			
Provision for details of fine against a member			
Provision of slip printing containing the details of a transaction			
Reserved titles shall get highlighted while checking in			
Designing of the Library web page for providing various services through the internet, including WebOPAC and giving link to the information website.			

Item No. 10: RFID Tagging Job Work (for Book)			
Item Minimum Specifications	Qty.	Matched/ Not Matched	Deviation, If any
RFID Tag & Sticker to be pasted in the same process	60,000		
ISO 28560 standard followed for tagging			
Minimum 2000 books to be completed in a day			
Registration of books / DVDs to be done in single process			
Data validation/editing required for Classification, Preparation of Subject Heading, Data entry in MARC21 format, Verification etc Including Retrieving the Book from the shelf and returning the same to the Specific shelf after processing as per Library standards for all Book entries.			
To paste the spine label wherever it is found missing			

**ANNEXURE-II
FINANCIAL BID**

**Financial quote for implementation of Radio frequency identification (RFID) system for
Library of IIC New Delhi: -**

Sr. No.	Specifications of RFID	Required Quantity	Unit price in Rs. Excl of GST	GST % and Amount in Rs	Total amount in Rs. Incl of GST
1.	RFID Staff Station with specifications as mentioned in Annex-II.	1			
2.	Handheld Reader with specifications as mentioned in Annex-II.	1			
3.	Library Security Gates with specifications as mentioned in Annex-II.	1			
4.	Kiosk (Self Check-out / Check-in station) with specifications as mentioned in Annex-II.	1			
5.	RFID Enabled Book Drop Box with specifications as mentioned in Annex-II.	1			
6.	RFID Smart Cards with specifications as mentioned in Annex-II.	1			
7.	Self-adhesive RFID Tags for Books with specifications as mentioned in Annex-II.	60,000			
8.	Institution Labels / Anti-Theft Sticker, with specifications as mentioned in Annex-II.	60,000			
9	Integration Module / Middleware Features; Complete integration of Virtua software with RFID system using SIP2/NCIP protocol. (If required)	1			
10.	Job Work Tagging Books and other existing material in library and enabling existing Patrons' smart cards	60,000			
11	Tagging existing patrons' smart cards and printing of the cards with patron data and India International Centre logo	1			
12	Submitting inventory report to library	On lumpsum			
13	Training Onsite training of all the equipment's/systems associated with RFID system	On lumpsum			
14	Complete manual / guide for operating RFID equipment's and Virtua software	On lumpsum			
15.	5 years on-site warranty	On lumpsum			
16.	Total cost of the project Incl. of GST(A) in figure				
17.	Total cost of the project Incl. of GST in words				

Gross project cost

Sl.No	Particular	Amount in Rs. Incl of GST
1.	Total cost of the project Incl. of GST	
2.	Gross Total cost of the project in Rs. Incl. of GST in figure	
3.	Gross Total cost of the project in Rs. Incl. of GST in words	

- If there is mismatch of amount in number and word, then IIC will only consider that one which will be less cost among the two.
- Delivery Mode: Delivery at IIC New Delhi only.
- Total bid price should be inclusive of all taxes and levies, transport, loading, unloading etc.
- Delivery Perioddays/weeks.
- Installation Perioddays/weeks.
- Quotation Validity Date: - 90 days from the date Last of Submission of the quotation/tender.

Sign of Bidder:-

Date:-

Name of bidder:-

Firm's Name:

Milestone:

SN	Description	Time in Days
1	Hardware delivery	10 Days after receiving the PO
2	Setting up the RFID System	15 days
3	Tagging of all Books	90 days (maximum)
4	Configuration with IIC LMS (Virtua)`	
5	Pilot run-up of the system with at least 500 books	4 Days
6	Completion of the project with the user's manual	
7	Handing over the system with training	10 days