



BIHAR STATE POLLUTION CONTROL BOARD

Parivesh Bhawan, Patliputra Industrial Area, P.O.-Sadakat Ashram, Patna-800010
Tel. No: 0612-2261250/2262265, Fax: 0612-2261050, E-mail: msbspcb-bih@gov.in, Website: http://bspcb.bihar.gov.in

Ref. no: 784.

Patna, Dated: 18.5.26

NOTICE INVITING QUOTATION

Bihar State Pollution Control Board, Patna invites sealed quotation from eligible registered firms/companies for the installation of complete library management system, supply and installation of RFID tags, the security gates *etc.* at the library of the Board at Parivesh Bhawan, Patliputra industrial area, Patna. Details of scope of work, period for the submission of sealed quotations and eligibility criteria are given below:-

Sl. No.	Scope of work	Eligibility criteria	BOQ	Last date for submission of sealed BOQ/Quotation
1.	<ul style="list-style-type: none"> • Supply and installation of RFID tags on all library books. • Integration with library management software KOHA. • Provision of RFID Desktop UHF Book Reader. • Provision of RFID Security Gates. • Data Entry in Software with following fields (ACCESSION NUMBER, TITLE, AUTHOR, PUBLICATION, PRICE, ITEM TYPE). • Provision of spine stickers displaying the book's accession number, book number, and call number. KOHA Library Software Installation. • OPEC Customization • KOHA Software Yearly maintenance. • Training and maintenance services • Provision of 21.5" TOUCH SCREEN KIOSK • Provision of smart ID card. 	<ol style="list-style-type: none"> 1. Registered firms/ company having firm/company registration certificate, 2. PAN card of the company and Proprietor/ Director. 3. GST registration certificate. 	As per enclosed BOQ.	25.05.2026 (Monday) 04:00 PM

Note:-

1. Quotation in sealed cover only will be acceptable;
2. The quotation shall not be entertained in any circumstances after end of the date and time of the bidding schedule as mentioned above;
3. The bidders are required to submit required documents in support of eligibility criteria along with the quotation in sealed cover.

(Member Secretary)

Copy to: Notice Board



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BILL-OF-QUANTITY (BOQ)

Subject: Library management system with RFID at the Library of Bihar State Pollution Control Board, Industrial Area, Patliputra, Patna: 800 010.

Last Date for the Submission of Sealed quotation: 25.05.2026 (Monday), 04:00 PM.

Date of opening of Sealed Quotation: 26.05.2026 (Tuesday), 11:00 AM.

Submission Procedure: The Registered Firms/Company to submit following duly signed documents with the quotation in sealed cover as mentioned below:-

1. Sealed Quotation on bidders official letter pad;
2. A copy of PAN Card;
3. A copy of GST Certificate;
4. GST filing document for the last quarter.

Detailed concerning to RFID work:

Sl. No.	Particulars/Description	Quantity	Unit Price (In Rupee)	Amount (In Rupee)
1.	RFID Tags-UHF RFID Book Tags	500		
	Particulars	Specification		
	Label Size	73×20 mm		
	Dry Inlay Size	70×14 mm -H10		
	Chip	Alien Higgs 10		
	Base Material	PET (50 µm)		
	Antenna	Etched Aluminum (10 µm) + PET (50 µm)		
	Protocol	ISO/IEC 18000-6C EPC Class1 Gen2		
	Memory	EPC-128 Bits (R/W), TID- 96 Bits (RO), Password- 32 Bits (Access/Kill), User- 32 Bits (R/W)		
	Frequency Range	860-960 MHz		
	Operating Mode	Passive 20,000		
	IC Life	Programming cycles, 50 years data retention		
	ESD Voltage Immunity	Max 2000V (HBM)		
	Environmental Requirement	Label attaching: 10°C–40°C, 20%–80%RH; After attaching: -20°C 50°C. 20%-80%RH		
Shelf Life	1 year at 23±5°C / 50%±10%RH, sealed in vacuum bag			

Sl. No.	Particulars/Description	Quantity	Unit Price (In Rupee)	Amount (In Rupee)
2.	RFID Staff (Book) Reader- DESKTOP UHF RFID BOOK READER (To be used to program the tags with the accession number and issue/return at the circulation desk)	01		
	Feature			
	Particulars	Specification		
	Frequency	865-867 MHz (India standard, customizable)		

Protocol	ISO18000-6C (EPC GEN2)
RFIC	Impinj E310 (Read Speed: 250 tags/s) , Impinj E710 (Read Speed: 1000 tags/s)
Built-in Antenna	Near-field / Short-range optimized to avoid stray reads
RF Power	0-30 dBm adjustable
Read Distance	1-3 m
Indicators	Buzzer + LED (Red for Power, Green for Read)
Communication Interface	RS232/USB / WG26 / Relay / POE / Wi-Fi / Bluetooth (optional)
Power Supply	POE/9-24V
Operating Temperature	-10 °C to +55 °C
Storage Temperature	-20 °C to +75 °C
Reader Size	338 × 248 × 28 mm

Sl. No.	Particulars/Description	Quantity	Unit Price (In Rupee)	Amount (In Rupee)
3.	<p>RFID Security Gates</p> <p>1. RFID SECURITY GATE 4 PORT READER IHZ4 X 01, RFID 9 DBI ANTENNA RUCA9 X 02, RFID ANTENNA-PCB SLIM ANTENNA, RF CABLES, INDUSTRIAL TOWER WITH LED BUZZER & POWER SUPPLY.</p> <p>2. RFID SECURITY GATE PAIR IN MILD STEEL WITH POWDER COATED FINISH, 5 MM ACRYLIC BOTH SIDE WITH VINYL BRANDING.</p>	01		
Feature				
Particulars	Specification			
Frequency Range	865-867 MHz (India)			
Protocol	ISO18000-6B, EPC Class 1 Gen2 (18000-6C)			
Chip	Impinj R2000			
RF Output	0-30 dBm adjustable			
Communication Interface	RS232/WG26/RS485/USB/ RJ45			
Contents	2 x 9 dBi Antenna, 1 × 2 Port Reader, 2 × RF Cable, 1 × SMPS Power Adapter			
Reading Distance	0-3 m			
Software Support	Auto Reading, Buffer Memory, Breakpoint Cache, SDK (C++, C#, Java)			
Material	Frame - MS with Powder Coating; Front - Acrylic			
Power Supply	SMPS Power Adapter 24V			
Operating Temperature	-20 °C to +60 °C			

Sl. No.	Particulars/Description	Quantity	Unit Price (In Rupee)	Amount (In Rupee)
4.	Job Work	500		
	Tagging the books			
	Data entry			
	Spine sticker			
	Feature			
	Particulars	Specification		
	Tagging the books	<ul style="list-style-type: none"> RFID Tag to be pasted. ISO 28560 standard to be followed for tagging. Retrieving the book from the shelf and returning the same to the Specific shelf after processing as per Library standards for all Book entries.		
	Data Entry/migration in KOHA software	<ul style="list-style-type: none"> CLASSIFICATION OF BOOKS FROM DDC 23RD ED. CATALOGUING ON MARC 21. DATA ENTRY IN SOFTWARE WITH FOLLOWING FIELDS (ACCESSION NUMBER, TITLE, AUTHOR, PUBLICATION, PRICE, ITEM TYPE)		
	Spine sticker	<ul style="list-style-type: none"> SPINE STICKER PROVIDING ONE SPINE STICKER- CONTAINING INFORMATION LIKE CLASSIFICATION NUMBER, BOOK NUMBER WITH LAMINATION AND PASTING THE SAME ON THE SPINE OF THE BOOK.		

Sl. No.	Particulars/Description	Quantity	Unit Price (In Rupee)	Amount (In Rupee)	
5.	SOFTWARE INSTALLATION CUSTOMIZATION	01			
	<ul style="list-style-type: none"> KOHA Library Software Installation OPEC Customization 				
	KOHA Software Yearly maintenance				
	Feature				
		Particulars	Specification		
	KOHA Library Software Installation	INSTALLATION & CONFIGURATION OF MYSQL DATABASE, APACHE SERVER, MAIL SERVER WITH KOHA LMS.			
	OPEC Customization	CUSTOMIZATION OF OPAC INTERFACE AND STAFF INTERFACE OF KOHA LMS			
	KOHA Software Yearly maintenance	SUPPORT AND HELP DESK FACILITIES FOR LIBRARY STAFF FOR DAY TO DAY USE, AUTOMATIC DATABASE BACKUP, UPGRADE LATEST STABLE VERSION OF KOHA LMS, ON ANNUAL BASIS			

Sl. No.	Description	Quantity	Unit Price (In Rupee)	Amount (In Rupee)				
6.	UHF Cards IDTS - IDC62 with print data	150						
	Features							
					Particulars	Specification		
					Item	UHF Cards IDTS – IDC62		
		Chip	Alien Higgs 3					
	Size	85.6 × 53.98 mm (Standard ISO Card)						

Material	PVC
Compliance	EPC Gen 2 (v1.2.0), ISO/IEC 18000-6C
Frequency	Worldwide RFID UHF operation (840-960 MHz)
Memory	EPC – 96 bits, TID – 96 bits, User – 512 bits
Finish:	Glossy, Printable Surface

Sl. No.	Description	Quantity	Unit Price (In Rupee)	Amount (In Rupee)
7.	21.5" TOUCH SCREEN KIOSK	01		
Specification/ Features				
21.5" Kiosk enclosure in 1.5 mm mild steel with powder coated finish, space and provision for mounting 21.5" touch screen monitor, CPU, 4" cooling fan with 6 amp-4 point spike guard.				
21.5" PCAP touch glass with AOC display				
Integration of KOHA Software Library Books and Patron				
Intel i3/13 the generation/8 GB RAM/512 GB SSD				
RFID book reader				
QR code barcode scanner				
NFC Card reader				
80 mm Auto cut thermal printer				

Total bidding amount (In Rupees)	
Taxes as applicable	
Grand Total	

Note:-

1. The undersigned reserves the right to cancel this notice/or not to accept any quotation at any stage without assigning any reason.


 (Member Secretary)