KOLHAN UNIVERSITY, CENTRAL LIBRARY, CHAIBASA

Tender No. KU/R/120 /17   **Dated : 21.01.2017**

Tender Notice for supply, installation, training and maintenance of Radio Frequency Identification (RFID) system and its integration with Integrated Library Management system (ILMS)KOHA using SIP2/NISO NCIPV2.0

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Notice Inviting Tender

The bidding document should be downloaded from Kolhan University website: **http://www.kolhanuniversity.ac.in/tenders/**

S.No.	Items	Description
1.	**Scope of work**	RFID based Electronic Security System and Book Charging, Discharging and other related jobs (Fixing Tags, Registering Accn. No on Tags and Shielding of Logo etc integrated with ILMS KOHA for Central Library, Kolhan University
2.	**Documents download start date**	**21.01.2017**
3.	**Bid submission end date**	**10.02.2017 (1.00 P.M.)**
4.	**Date of opening of Technical Bid**	**10.02.2017 (2.00 P.M.)**
5.	**Date of opening of financial Bids**	Will be intimated later on
6.	**Cost of the Tender**	Rs.10000.(Non- Refundable) to be paid in the form of DD in favour of "Registrar, Kolhan University, Chaibasa payable at Chaibasa.
7.	**EMD**	Rs.50,000 (Rupe fifty thousand only)Demand Draft in favour of "Registrar, Kolhan University, Chaibasa payable at Chaibasa.
8.	**Place of Opening of Bids**	**Kolhan University Headquarter, Chaibasa**
9.	**Address for submitting quotations**	**The Registrar, Kolhan University, Chaibasa. West Singhbhum, Jharkhand – 833202.**

Bids will be opened in the presence of Bidder's representatives who choose to attend on the specified date and time.

In the event of the date specified for bid receipt and opening being declared as a Closed holiday for purchaser's office, the due date for submission of bids and Opening of bids will be the following working day at the appointed times.

Section- I: Invitation for Bids

Kolhan University, Chaibasa invites sealed quotations under two bid systems from eligible bidders for supply, installation and maintenance of RFID system which has to be integrated with KOHA LMS. The various components of RFID should conform to International ISO Standard- ISO18000-6C and frequency as per wireless planning commission of India designated for usage of RFID in India. **The bidders shall be expected to provide the following equipments as per the technical specifications given in Annexure I:**

I.   RFID tags (20, 000)

II.   RFID Member cards (2, 000)

III.   Staff work Station (3)

IV.   Shelf check-out station (2)

V.   RFID middleware for Central Library

VI.   Pedestal security gates- 1 Lane (1)

VII.   Hand held inventory reader (2)

VIII. Book Drop Box (1)

IX.   Patron Card Printer (1)

X.   Tagging of Books, Data Entry, Classification (20,000)

XI.   Printing of Patron Smart Card (2000)

XII.   Integrated Koha Library Management Software for central library and each dept libraries

XIII. Centralized High performance Server for centralized KOHA LMS for Central Library and Departmental Library solution(1)

XIV.   AIO Desktop System(3)

XV.   UPS for Central Library

XVI.   Network connectivity within the central library

XVII. Electrical Connectivity in the central Library

XVIII. Implementation (Training, Installation requirements, warranty and service requirements, support and maintenance)

XIX.   Trained manpower support for 180 days post project completion

XX.   Comprehensive Site Warranty of 3 year on all products and software

Section- II: Eligibility Criteria of Bidders

➢ Bidder should be a company registered in India under the Company Act or should be Public sector organization. Furnish certificate of registration.

➢ The Bidder must have a registered or supporting partner office in the state of Jharkhand.

➢ The bidder must be an Original Equipment Manufacturer (OEM) /authorized partner of RFID hardware components

➢ The bidder have experience of installing similar technology RFID Solution in any two reputed libraries of Universities/College/research institutes in Jharkhand, India with at least 20,000 and above books integrated with KOHA.

➢ The bidder or its OEM must have supplied and installed similar RFID systems to any central government institute and supported it for at least 5 years. A necessary certificate towards support for last five years should be provided.

➢ The hardware provided by OEM should be non proprietary, LMS independent and OEM/authorized partner should have installed their hardware in at least 4 different (from different companies) and popular Library Management Software including Koha. Necessary Certificate of Integration and Installation with 4 different LMS should be provided.

➢ The Bidder should have at least INR 50 Lacs turnover on an average for the last 3 Financial Year(13-14, 14-15, 15-16). The ITR and Balance Sheet for the respective year need to be placed in the bid.

➢ All the products supplied should be in the frequency as mentioned by Wireless Planning commission of India for usage of RFID in India. Necessary documentation proof should be provided.

Section-III: Terms and Conditions

1. The bidder shall bear all expenses of packaging, forwarding, freight, insurance in connection with delivery, repairs and replacements made within the warranty, period.

2. The vendor shall be responsible for any loss, damage, breakage etc in transit site.

3. The vendor shall bear the expenses which may incur while unloading of items, deployment of unskilled labour during installation of RFID.

4. The vendor shall undertake and finish installation, integration, implementation, commissioning and training of the proposed system within 90 days of receiving the confirmed order.

5. Warranty : The Performance / supply of the RFID Materials should be under tenders warranty for one year including all parts / equipments included in the Annexure-1, from the date of supply and acceptance by the Concerned authority. However the manufacturers guarantee if any, which exceeds should be extended. After warranty period, the bidder shall also quote rates for additional 2 years extended warranty on supplied hardware and software, their spare parts, upgrades and AMC charges.

6. The warranty period shall be effective from the date of having completed successful installation, integration, implementation and training on the system in the Library.

7. The vendor shall be fully responsible for the performance of all components of the RFID materials and any defective material shall be replaced by the vendor free of cost during the warranty period.

8. The bidder shall clearly specify their service option during the warranty and maintenance contract period to ensure that the functioning of the proposed RFID system is not interrupted after installation.

9. University shall have the liberty to terminate the AMC in case it is not satisfied with the services/AMC provided by the successful bidder.

10. The successful bidder shall be responsible for coordination and integration of the proposed system with existing library management system and resolve any RFID and ILMS/KOHA functionality problems with the support from existing ILMS provider.

11. The quantity of the above items may defer subject to the requirements of the Library.

12. The vendor shall submit proposal which should be open in terms of modularity, expandability and upgradeability in future.

13. The proposed system shall have remote monitoring which must include instant e-mail notification, monitoring of Check-in and out rates, web based trouble shooting and the ability to obtain statistics for each machine from any location.

14. The supplied hardware shall have the provision to upgrade their firmware online.

15. The bidders shall clearly mention the responsibility and requirements from the Library staff.

16. The bidder shall submit an overall installation plan with regard to placement of hardware, physical infrastructure, power and ventilation requirements so as to maximize the workflow without disrupting the normal duties and services.

17. The bidders shall respond to the technical specifications in the format given in Annexure I

18. The bidders shall quote in the format as given in Annexure II and III of Tender document.

19. The bidder shall sign all the pages of the bid

20. The bidders shall quote rates inclusive of all taxes and duties, packaging, forwarding, freight, insurance and all other incidental charges. In case, these are charged additionally, these shall be clearly specified.

21. The bidders shall submit their bid in two bid systems as under:

   Part I:Technical Bid

   PartII: Financial Bid

22. The technical bids will consist of brochures, datasheets, compliance statement, tenders terms and conditions acceptance and will be opened by the technical committee as per the date mentioned above in the tender. The financial bids of the technical bidders will be opened on a later date and will be intimated, in the presence of parties whose technical bids are found suitable and meeting requirement after thorough requirement analysis.

23. The officer inviting tender shall not be held liable for any delay due to system failure beyond his control. The officer will attempt to notify the bidder of any bid updates, the employer shall not be liable for any information not received by the bidder. It is the bidder's responsibility to verify the website for the latest information related to the tender.

24. It would not be binding on institute to accept the lowest offer. The criteria for awarding the contract will be to the most suitable offer in terms of product quality, specifications, vendor experience, eligibility and price.

25. Library reserves the right to negotiate any alterations to bid specifications due to oversight or error.

26. The applications of those bidders who do not deposit EMD along with the tender shall be rejected.

27. Specifications of the hardware items given in this bid document are the minimum requirements. The bidder may offer items with higher specifications. However, no price advantage for such specifications shall be given.

28. All rates quoted are inclusive of all applicable taxes, duties, comprehensive on-site warranty of 1 year, etc. and free delivery at Central Library, Kolhan University, Chaibasa.

29. The rates must be quoted both in figures and words and over-writing must be avoided.

30. The bid should be given for the items in the same order as is given in the Tender document.

31. Schedule of delivery of items/job work, etc. should be clearly mentioned.

32. If the supplier/firm is manufacturer/authorized dealer/sole distributor/authorized agent of any item, the certificate to this effect should be attached.

33. The quantity shown against each item is approximate and may vary as per the demand of VBU at the time of placing order.

34. Kolhan University, Chaibasa Library reserves the right to accept/reject any bid wholly or partly.

35. The vendor should have their own bank account in the name of the registered agency.

36. Each quotation must be accompanied with EMD valid for a period of 180 days of quotation. Quotation received without Earnest Money Deposit is liable to be rejected.

37. Earnest Money Deposited liable to be forfeited and bid is liable to be rejected if the tenderer withdraws or amend, impairs or derogates from the tender in any respect within the period of validity of the tender.

38. The Earnest Money of all unsuccessful tenderers will be returned as early as possible after the expiration of the period of the bid validity. No interest will be paid by VBU on the Earnest Money Deposit.

39. Bidder will be fully responsible for standard integration using SIP -II protocol with LMS and the performance of all component of the RFID equipments and materials and other equipments being supplied and installed and any malfunction/defective materials should be replaced free of cost during the warranty period. The entire system should be compatible with Library Management Software. It would be responsibility to demonstrate functioning of entire RFID system and other equipments on Library Management Software being used.

40. The bidder shall agree towards local customization and personalization on all aspects of the proposed system during the implementation and warranty period to ensure a smooth functioning and user friendly environment.

41. Quotations should be submitted in two separate covers. First cover indicating "COVER FOR TECHNICAL SPECIFICATION" should have technical specification as per Annexure-I and Earnest Money.

42. The second cover indicating "COVER FOR FINANCIAL BID" should have price as per Annexure –III. Both the covers should be sealed separately and both the covers should be sealed in a bigger cover.

43. In addition to the OEM warranty of one year, Bidders should quote with the Comprehensive (including hardware & software support) onsite Warranty/Guarantee/Extended Warranty, technical support for additional of 2 years with least minimum down time of 04 hours. The selected firm for the supply of tendered item will have to provide free up-gradation of software and firmware (all update & upgrades, spares, accessories and labor) upto 3 years from the date of satisfactory installation.

Rejection Criteria

The bid(s) will be rejected in case of any one or more of the following conditions:

1. Bids which are not substantially responsive to the Tender Document.

2. Bids not made in compliance with the procedure mentioned in this document or not substantively responsive.

3. Failure on part of the Bidder to provide appropriate information as required in the bid proposal or any additional information as requested by Kolhan University, Chaibasa, including any supporting document.

4. Incomplete or conditional bids or bids that do not fulfill all or any of the conditions as specified in this document.

5. Bids without earnest money deposit.

6. The submission of more than one bid under different names by one Bidder. If the same is found at any stage, all the bids by that bidder will be rejected.

7. Material inconsistencies in the information submitted.

8. Misrepresentations in the bid proposal or any supporting documentation.

9. Bid proposal received after the last date and time specified in this document.

10. Bids found in unsealed cover, unsigned bids, bids signed by unauthorized person and unsigned corrections in the bids.

11. Bids containing erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be authenticated by the person signing the bid.

12. Bid(s) not complying with Delivery, installation & commissioning, warranty, penalty, and AMC clauses will be rejected.

13. The bidder should quote for all the items mentioned in the tender, failing which, their offer will be rejected.

14. The Bidder has to be OEM/Joint Venture of OEM/Subsidiary of OEM/Authorized Dealer of OEM. Joint Venture companies, subsidiaries and authorized dealers must submit Authorization certificate (in original) from OEM, as per Technical Specification attached herewith, stating that the OEM will provide support directly or through the particular dealer during the warranty period including replacement of spares and the validity of the certificate should be for a minimum period of 24 months from the date of submission of offers/bids, failing which, their offer will be rejected.

15. The Bidder should provide an Undertaking of authenticity of IT Hardware/Software supplies,(in original), from OEM, should be attached, stating that no refurbished/ duplicate/ second hand components/ parts/ assembly/ software, shall be used, failing which, their offer will be rejected.

Time Frame of Project Execution

The time frame of completion of the project that is Installation of Hardware, Software, Tagging, Testing, Training, Customization, Reporting, etc within a period of 90 days from the date of offer of Contract. The successful bidder has to submit the project execution plan with concrete milestones along with tender which will be reviewed by the committee.

 ** Note: The bidder should strictly follow the project schedule .All the trained manpower deployed should be well mannered , disciplined and responsible.

TIME - ESSENCE OF CONTRACT:

The time allowed for completing the work under tender and handing over the same shall be of the essence of the Contract and shall be strictly observed by the bidder. The Work shall proceed with due diligence until Final Completion. Bidders hall have no right or claim for the extension of the contract in any circumstances. For delay, bidder shall be liable to pay penalty and/or liquidated damages as decided by the KOLHAN UNIVERSITY and such decision of the KOLHAN UNIVERSITY shall be final. KOLHAN UNIVERSITY also reserve right to its sole discretion to terminate the contract.

Payment

90% payment shall be made against completion of each milestone and remaining 10% would be retained as performance guarantee and the payment would be made after   successful completion of warranty period. The delivery milestones need to be
 submitted by the bidder and would be reviewed by the library and approved before supply.

Bid Evaluation Criteria

The bids conforming to the technical specifications as required, terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria as well as verification of original of any or all documents/ documentary evidences pertaining to BRC, will be considered for further evaluation as per the Technical Specification given below

Queries and Clarification: The queries and clarification in this document must be addressed to "Registrar, Kolhan University, Chaibasa" and the same must be sent through conventional mail as well as e-mail (vckolhanuniv@gmail.com), in the format mentioned below:

S.No.	Clause No as per Kolhan University, Chaibasa Library Document	Your Understanding /Interpretation	Clarification Sought

Penalty and Liquidate Damage :

In case, the firm fails to supply and installation of the material as specified in the purchase order, a sum equivalent to 0.5% of the contract price per week or part thereof off delay until actual implementation or performance shall be deducted from the bill up to a maximum deduction of 10% of the contract price. Once the maximum is reached, we may consider termination of the contract.

Other Conditions

1. **Confidentiality:** The Bidder / Tenderer and their personnel shall not, either during the term or after expiration of this Purchase order and work order, disclose any proprietary or confidential information relating to the services, agreement or VBU business or operations without the prior written consent.

2. **Force Majeure:** During the pendency of the Licensee , Supply and Service Agreement if the performance in whole or part thereof, by either party is prevented/delayed by causes arising due to any war, hostilities, civil commotion, act of public enemy, sabotage, fire, floods, explosion, epidemics, non-availability of raw material, and other consumables, or any other causes including breakdown of equipment beyond their reasonable control. Neither of the two parties shall be made liable for loss or damage due to delay or failure to perform the contract during the pendency of forced conditions provided that the happenings are notified in writing within 7 days from the date of occurrence. The work shall be resumed under the contract as soon as possible after the restoration of normalcy.

3. **Termination of Purchase Order and Work Order:** Kolhan University, Chaibasa may, without prejudice to any other remedy for breach of agreement, may terminate the work order in whole or in part, by written notice of default sent to the Bidder, and the performance guarantee shall stand forfeited if,

   i. The Bidder fails to deliver /supply any or all of the obligations within the time period(s) specified in the Purchase Order and work order/agreement, or any extension thereof granted by Kolhan University Library .

   ii. The Bidder fails to perform any other obligation(s) under the Purchase order and work order/agreement and fails to rectify it within the notice period for the rectification of the same.

   iii. Information submitted in technical proposal is found to be misrepresented, incorrect or false, accidentally, unwittingly or otherwise, at any time during the processing of the contract (no matter at what stage) or during the tenure of the contract including the extension period if any.

4. **Termination for Insolvency :** Kolhan University may at any time terminate the Purchase order and work order by giving written notice to the Bidder without compensation, if the Bidder becomes bankrupt/insolvent, provided that such termination shall not prejudice or affect any right of action or remedy which has accrued thereafter to Kolhan University, Chaibasa.

5. **Periodic monitoring and review:** The Supply of equipment required software ,work and progress of the work shall be periodically monitored and reviewed by a committee constituted by Kolhan University Library for this purpose.

6. **Suspension:** Kolhan University may by a written notice of suspension to the Bidder / Tenderer, suspend all payments to the Bidder under the Purchase order and work order, if the Bidder fails to perform any of its obligations under this work order/agreement, (including the carrying out of the supply and services).

7. **Arbitration:** All disputes, differences, claims and demands arising under or pursuant to or touching the agreement shall be referred to the sole arbitrator to be appointed by Kolhan University. The award of the sole arbitrator shall be final

and binding on both the parties under the provisions of the Arbitration and Conciliation Act , 1996 or by statutory modification/re-enactment thereof for the time being in force. Such arbitration shall be held at CHAIBASA. It is clarified that Civil court shall have no jurisdiction to entertain any such disputes.

8. **Jurisdiction of Courts:** In all matters and disputes arising hereunder, the appropriate Courts at Chaibasa only shall have jurisdiction to entertain and try them only after the failure of arbitration process, if any.

9. **Signing of Agreement :** Kolhan University and the successful bidder will sign the Service Level agreement (SLA) incorporating all the terms & conditions agreed between the two parties.

10. **Schedule of Implementation: The** total time limit for the successful implementation and completion of assigned / ordered supply and job work shall be 90 days from the date of signing the agreement.

Sd/-
Registrar
Kolhan University,
Chaibasa

Annexure- I: Technical Specifications

S.No	Specifications of RFID Equipments	Specification of the product quoted	Proposed Make/Model No and country of origin	Specifications complied yes/No (If No, attach Deviation statement)
1.	**RFID Smart Card.** RFID Smart Cards [Smart Cards for 5000 Patrons]ISO 18000-6C **Specifications :** Dimensions : 86mm x 54mm x 0.9mm (App.) Anti collision : True Anti Collission Ticketing Transactions: <100ms Operating distance : 1.20 mts or more Material : Hard Plastic (Direct Print) Color : White Hard Data Integrity : 16 bit CRC, parity,bit coding,bit counting • User definable access conditions for each memory block. • Data retention of 10 years • Write endurance 10000 cycles Warranty: 1 Year			
2.	**RFID Tag for document Identification and Security, integrated with existing KOHA (ILMS) software** • The RFID chip used in the tag have three sections • Lockable section—for item identification • Re-writable section for library specific use • Security function (EAS) for item anti-theft Tags should be ISO standards ISO 18000-6 Mode 1 compliance 1. The proposed system tag must be guaranteed for the life of the			

	item on which it is originally affixed. 2. The proposed system must provide tags that are operative at a frequency as defined in ISO180006C 3. Max Distance for detection from pedestal should be should be upto 1.5 Mtr 4. All data other than the SID on the re-writable RFID tag, including the item identifier field, must be fully re-writeable. 5. The proposed system tags must enable the AFI security status to be stored directly on the tag and must trigger an immediate alarm if an item not charged is read by the detection system. 6. The vendor must provide the option of custom printing blank tags with a barcode or library logo during converting materials. 7. The vendor must provide the option of factory printed tags using the Library's custom artwork. 8. Vendor will capable to provide Sticker with University Logo. 9. The proposed RFID System must offer the option of punched tags feature to mark those that are inoperative. 10. The proposed RFID tags must offer the option of opaque black flood coat to hide antenna. 11. The proposed system tags must provide both security and inventory control functionality. 12. The proposed system tags must use an anti-collision algorithm that does not limit the number of tags which can be simultaneously identified and read. 13. The proposed system tags must be adhesive-backed and one piece (tag and label integrated into one piece) to adhere to library materials without addition of an adhesive cover label. 14. The proposed system tags must use a low acid, or neutral pH, adhesive. 15. The proposed system tags must be a one-step application, with			

	no need to apply a cover label over the tag inlay.
	16. Recognizing that there is no library RFID tag or tag map standard today, the library wants to go as far as is reasonably possible to try to enhance its chances for interoperability in the future. The proposed system shall be fully compliant with ISO 18000-6, and include both mandatory and optional commands specified in ISO
	17. The proposed RFID tags must have an operating range -25°C to +70°C approximately.
	18. The proposed system must offer RFID Tags that utilize the RTF(Reader Talks First) Architecture. The proposed Tag must also use the AFI Security Model.
	19. Data Retention Minimum 50 Years.
	20. The programming cycles of tags minimum 100000 times.
	21. Transpoder IC :NXP ICODE SLIX or equivalent
	22. The vendor must test tags for long term reliability using accelerated aging testing and show the data.
	23. The vendor must show the test methods used to test RFID tags for long term reliability.

Security function (EAS) for item anti-theft (which can be activated and deactivated).

Warranty: 1 Year

3.	**RFID Staff Station** -basically a **Reader** with applications software with following features and function **Reader Specifications** Operating frequency **:**865MHz as defined by wireless planning commission of India RF Channels: 1 RF Output Power: 1 w Power Supply : USB Self powered(or external) Reading/Writing Range : Upto 50cm Communication :USB (HID)/Rs232 Interface : Standard Interface Protocol2 (SIP2) Transmitting power : 300mW-1.2 W Dimension : 150 (L) x 80(W) x 30(H) mm Housing Material : Polystyrene Colour : Black/White/Grey **Antenna Specifications** Operating Frequency Reader RF Input Power : 1-1.2 w Operating Temperature : 25 to 55° C Storage Temperature**:** Upto to 60°c Inbuilt internal Antenna Client Software should support following features and is to be integrated with existing LMS 1. Tagging/Retagging after proper online validation of the title/member records in ILMS database. 2. Tag monitoring by accessing item record from ILMS database. 3. Sorting by accessing Title record from ILMS. 4. Check out /Check in /Renewal. 5. Provision for display of member photograph along with member details while doing the transactions. 6. Personalize membership cards further 7. Provision for display of reservations done by a member along with sequence and date of collection. 8. Provision of enquiry of checkouts against a member and its due date. This facility is available on all transaction screens for reducing response time while presenting the			

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	details before the member.			
	9. Provision for details of fine against a member along with fine receiving functionality.			
	10. Provision of slip printing containing the details of a transaction.			
	11. Reserved titles get highlighted while check-in.			
	12. The RFID system must offer a clear migration path to the ISO tag data format standard when it is announced.			
	13. The RFID system must provide a product that can read multiple published tag data formats at the same time.			
	14. The RFID vendor must attach their tag data format in the bid response.			
	15. The RFID system must allow for simultaneous reading of existing vendor supplied tag data format as well as the new ISO tag data standard when it is announced so the library can migrate their system to the new ISO tag data standard.			
	16. The vendor must be able to demonstrate, upon request, how they can read and write to multiple tag data formats. **Warranty: 1 Year**			
4.	**Self Checkout Kiosk Station** (**Ten unit**) It should consist of: • Long range RFID Reader and Antenna with multiple Read/Write facility • Customizable Kiosk Shell to suit the library decor • High Speed Thermal Kiosk Printer • LCD Touch Screen Monitor (Capacitive Technology, minimum 21") • Branded/Reputed Small Factor CPU • Multi protocol firmware ISO 18000-6C • Communication interface — Ethernet 100 Mbps, Wi-Fi, USB • Operating Frequency as per			

		wireless planning commission of India
		• Power Supply : 230V, 5A, 50Hz AC
		• Read Range : Reads Tags kept on Tray up to 20 -25 cm- tags dependent
		• Inbulit Internal Antenna
		• Operating Temprature : 0°C to 55°C
		• Dimesion : 600 mm * 600 mm * 1500 mm
		• Weight : 50 Kilogram
		• Packaging Material : Powder Coated Steel/Wood
		• The client software should interface with the ILMS Software giving following features:

1. The RFID self-checkout units must be able to read item-specific identification numbers, communicate to the host circulation system to update the Library's inventory, and turn the security status off.
2. The purposed system must have self-issue and self-renewal functionality.
3. The proposed system must be capable to process multiple RFID tags in the same transaction.
4. The proposed system must use an anti-collision algorithm that does not limit the number of tags which can be simultaneously identified and read up to eight inches high.
5. The proposed system must be touch screen.
6. Dimension of the monitor should be approximately 21".
7. Printer's minimum dimension should be 8.5"d x 5.6"h x 6.2" w.
8. The proposed system must have the ability to print out all information for a patron check-out transaction on a single receipt. Such receipt should be customizable to incorporate library identity, hours etc.
9. The proposed system must have the ability to perform check-out functions using

	RFID tags.			
	10. The proposed system must simultaneously process multiple RFID-tagged items during check-out.			
	11. The proposed system must be capable of reading item tagged located in various locations, including inside or outside, top or bottom of the front or back cover, or inside on the top or bottom of the front or back fly page.			
	12. The proposed system's self-checkout units should have customizable messages based on patron and item status.			
	13. The proposed system must display ILS system information relating to the patron or item status.			
	14. The proposed system must provide visual and audible feedback during the transaction.			
	15. The proposed system must have customizable instructions.			
	16. The proposed system stations must deactivate the theft or security status on the materials when checked out.			
	17. The proposed system must offer the patron the option of email, paper receipt or no receipt.			
	18. The proposed system kiosk must be available with both laminate and solid surface option.			
	19. The proposed system must allow multiple item check-outs without first choosing the number of items that you want to check-out.			
	20. The fines and fees system shall be integrated into a self-service check-out system. Warranty: 1 Year			
5.	**Library security gate** Security gate should include two theft detection pedestals, which are interdependent of each other and also have			

		overlapping protection zones providing additional security. Library security gate would have following specifications as mentioned below:			
		1. The panel dimension should be approximately 150cm(H)* 63cm(W) x 16(cm) thick.			
		2. Must be able to detect Print Materials, CD, Single sided DVD, Audio Cassettes and Video Cassettes.			
		3. Must be able to detect height upto 150cm in all books orientation			
		4. Upgradeable facility from Single to Dual Corridor should be there.			
		5. The system shall interrogate "look for" library materials always on when activated by exiting patrons.			
		6. The library detection system will be microprocessor controlled and software driven for the most reliable electronic surveillance of exiting patrons.			
		7. The system must provide both an audible and visible alarm when responding to an active tag in the corridor.			
		8. The alert over wrongful exit of an RFID tagged book must be to the Security In-charge/Circulation In-charge through mobile phone.			
		Chip Compatibility: ISO 18000-6C. Can be configured to detect different chip types simultaneously. **Detection Range: Upto 150 (cm)in all Direction.** Specific version includes Ethernet interface.(No need to be linked to the library database) If EAS on detected, chip type, ID number, date and time are stored. Pedestal including 1 antenna set (2 antennas) for large detection field and 1 electronic unit (Controller) integrated into the pedestal bottom **Security Mode Alarms:** EAS &AFI Lights and Buzzer located at the top of the pedestal. **People Counter** : Counts in/out traffic located at the bottom of the pedestal.			

	Communication Interface: Ethernet **Power Supply**: 230V, 5A, 50Hz AC **Casing** : ABS **Weight 1 Panel** : 15 Kg **Operating Temperature**: 0° to 55°c (32 to 131 F) **Powerful DSP** (Digital Signal Processor) **Warranty: 1 Year**			
6.	**RFID HH Reader with touchscreen** • Operating Frequency: 865 MHz -867 MHz as defined by WPC India • Compatible protocols: ISO18000-6C • Maximum Output: 0.5 to 1.5W • With anti-collision processing algorithm, can read lots of labels promptly and simultaneously • Communication Interface: WIFI and Bluetooth • Be compatible with mobile terminal **Parameters:** **Technical Specification** **Operating Frequency** Reading Distance Single tag -20-25cm Identify Speed Up to 50pcs/sec Communicate Interface Bluetooth、WIFI Woke modes Host mode, scanning mode (setup through software) Power Consumption <5W Environment Parameters Operating Temperature -20℃ to 60℃ Storage Temperature-45℃ to 85℃ Relative Humidity 5%-80%			
7.	**Book Drop Box** - Branded/Reputed Steel Enclosure - Check In RFID Reader (Ethernet) - 150- 200 Books Movable Cart (Branded/Reputed, having national/global presence) - Ethernet High Speed Thermal Slip Printer (Reputed/Branded) - Client software for checking-in facility and communicating with LMS			

	Software with provision for E-mail/SMS Confirmation - Operating Frequency : - Power Supply : 230V, 5A, 50Hz AC -Antenna Size : Internal -Communication- Ethernet 100 Mbps, Wi-Fi -Operating Temperature: -20°C to 65°C -Dimension: 650 mm * 1216 mm * 1520 mm -Weight : 80 Kilogram - Material -Power Coated Steel and wood -Display : 21" Screen - Magnetic Flap lock - Book Full Sensor, - - Book Bin full indicator to the counter station -Multi protocol firmware ISO 8000-6C Gen2 compliant -USB Communication interface. -Software layer for check-in facility and communicating with existing LMS Warranty: 1 Year			
8.	Integrated Koha Library Management Software Supply & Installation of Koha 3.2 with Unlimited SIP2 connections LDAP functionality MySQL database Works with RFID and self check out products for the Central Library and all the Departmental Library Centrally from the single KOHA Installation			
9.	RFID Middle Ware Supply of RFID server &client software layer for seamless integration with library management software at all RFID components			

10.	Installation, Testing, Commissioning, Training of all hardware and software
	    A. All Products should be tested before supply and their entire working should be tested and shown post installation
	    B. Comprehensive in house operational training for all			

No.	Description			
	equipment and front end interface. C. Training for Handling of RFID tagging on documents and printing of smart cards. D. Troubleshooting training. E. Complete write-up/Manual/Guide for operation and handling of all RFID equipment. Training to be given to all library staff and library users			
11.	Personalization and Printing of RFID cards Vendors should print RFID cards after taking users data from the library as required & activate the smart ID cards on site during the implementation phase			
12.	Books Data Entry and RFID Tagging of Individual book Job involves the following steps Primary data as accession number mentioned on the book or barcode labels on the documents. (i) Associated data to be prepared and entered like Access No DDC Class No, Publisher, Year and other fields (ii) Using of self adhesive RFID tag & anti theft stickers at the designated place of in the documents.			
13.	High performance Server for all Independent but integrated Koha LMS for department libraries **Specification:** Intel Xeon Quad Core 5606, 2.13 GHz / 8GB DDR3 RAM/ 1TB HDD/DVD-ROM/ 3Yrs warranty, Linux Operating System			
14.	AIO Desktop System Specification : 18.5-inch All-in-one Desktop PC(E_Series_Dual_Core_E1_1500/2GB/500GB/Win 8/Integrated Graphics), Black			

	Warranty: 1 Year			
15.	UPS for Server -5 KVA UPS for Central Server with at least 2 hrs backup Warranty: 1 Year			
17.	Shall depute technical personnel on site up to period of 90 Days so as to support, train and resolve any issues that may arise due to the implementation of RFID system.			
18.	Network connectivity within the central library for usage of all RFID Devices			
19.	Electrical Connectivity in the central Library as required towards usage of all devices			
21.	Additional Comprehensive Site Warranty of 2 year on all products and software			

Annexure- II: Bidders Details

S.NO	Required Details	
1	Name of the Bidder/Party/Agency	
2	Adddress of the bidder	
3	Contact no	
4	Fax no	
5	Mobile No	
6	Email	
7	Name of the Authorised signatory	
8	Sales Tax/CST No.	
9	Income Tax No./PAN	
10	Yearly Turnover for the last three years	
11	Year of Establishment	
12	Name and address of Bank	
13	List of Client libraries in India	

Name and signature of Bidder

CHECKLIST

1.	Sales Tax/CST No.	
2.	Income Tax No./PAN	
3.	Copies of Income Tax Clearance Certificate	
4.	Average Annual Turnover for the last three years (ITR)	
5.	Certificate of authorization from the principal manufacturing company or self declaration in case OEM.	
6.	Name and address of Bank	
7.	Experience Certificates as per eligibility criteria	
8.	Cost of Tender (Rs. 10000/-) in favour of "Registrar, Kolhan University, Chaibasa from any Nationalized Bank payable at Chaibasa	
9.	EMD (Rs. 50, 000) in favour of Registrar, Kolhan University, Chaibasa Payable at Chaibasa	
10.	Documentary proof of ISO9001:2000 certified company	
12.	Affidavit that the firm has not been black listed in the past by any University/ Institution	
13.	Affidavit that the firm has no vigilance case CBI/FEMA case pending against him/supplier (Principal)	
14.	Affidavit that the firm is not supplying the same item at the lower rate quoted in the tender to any Govt. organization or any other Institute.	
15.	Copy of product literature, for which the prices have been quoted.	

Annexure-III: Bill of Quantities & Price Bid

Sl. No (1)	Product Description (2)	Total Qty (3)	Unit Cost (4)	Total Cost (5)=(3)*(4)	Sales /Service Tax (6)	Cost Inclusive of Taxes (7)=(5)+(6)
1	Self Adhesive RFID Tags with add-on anti theft sticker and printed institute Logo(may increase or decrease. Payment on actual basis)	20000				
2	RFID Smart Card for students	2000				
3	Staff station/Table top reader	3				
4	RFID gate System-Pedestal Security Gate	1				
5	Mid Range Shelf management reader or portable handheld reader	1				
7	Book Drop box	1				
8	Kiosk - Self check out/In station	1				
9	Integrate Koha Library Mgmt. Software for central library	1				
10	RFID Middleware for Central Library	1				
11	Installation and Training	1				
12	Personalization and Printing of RFID cards	2000				

13	Data Entry Job (may increase or decrease. Payment on actual basis)	20000			
14	High Performance Server	1			
15	Desktop System	3			
16	UPS for Server	1			
17	Card Printer with Personalization Software	1			
18	Manpower Support- 90 days	1			
19	Network connectivity within the central library	1			
20	Electrical Connectivity in the central Library	1			
21	Additional Comprehensive Site Warranty of 2 year on all products and software	1			

Name and signature of Bidder