



# Sidho-Kanho-Birsha University

Ranchi Road, P.O.- Sainik School

District - Purulia, PIN – 723104, W.B.

Phone : 03252- 202419 Website-[www.skbu.ac.in](http://www.skbu.ac.in)

Ref No: FO /1795 /SKBU/20

Date: 28/05/2020

## **E- Tender Notice for RFID Installation**

1. SIDHO-KANHO-BIRSHA University, Purulia intends to setup **RFID** based Library system for **Central Library , SKBU ( RUSA fund)** at Purulia. The tentative quantity of the required items along with technical configuration of each items are mentioned at Annexures separately. SKB University is looking for interested bidders who have experience in supplying of above type of projects.
2. Bidders are advised to study all technical and financial aspects, instructions, forms, terms and specifications carefully in the tender document. Failure to furnish all information required in the Tender Document or submission of a bid not substantially responsive to the Tender document in every respect will be at the Bidder's risk and may result in the rejection of the bid.
3. Intending bidder may download the tender documents from the website **<https://wbtenders.gov.in>** OR **[www.skbu.ac.in](http://www.skbu.ac.in)**. **Only Online Submission of Tender will be accepted.**Last date of submission:**11/06/2020 up to 12:00 hrs.****Opening Date 13/06/2020, 1 PM.**
4. The categories of items and quantity indicated in the Tender Document are tentative. SKB University (SKBU), however, reserves the right to increase or decrease the quantity or delete some or all of the items depending on the needs of the SKBU and availability of funds without assigning any reasons.
5. The bidder should indicate specifically the **Basic Price, Taxes, GST, Entry tax, other duties (if any)**, and levies chargeable quantitatively against each item. **University will assist to have way bill (if necessary) but the pay will be borne by the bidder.** University having valid Central excise duty exemption certificate issued by DSIR, New delhi..No additional information will be entertained after due date. SKBU may reject bids if they do not carry such information separately and specifically quantitatively. No transportation charges, customs clearing charges, insurance charges etc will be paid extra.
6. The tender should be submitted in two cover system (electronically) as defined in E-Tender participation system: (a) Technical Bid (b) Financial Bid.
7. The bidder should clearly indicate the delivery period and validity period of tender.
8. The bidder should clearly indicate the availability of service and maintenance facilities at Purulia for the items quoted.

9. The bidders are required to quote for each item separately in terms of basic price and all other charges. **Prices can be quoted in Multi Currency( INR, USD, EURO & YEN only)**
10. The bidder (Technical Bid) must be submitted along with the copies of OEM license or authority from the manufacturer.
11. SKB University reserves the right to reject any or all tenders without assigning any reason whatsoever.
12. No advance payment or payment against Performa invoice will be made. Payment will be made after receipt, inspection, and installation/testing at SKBU Campus.
13. All damaged or unapproved goods shall be returned at the bidder's risk and cost and the incidental expenditure thereupon shall be recovered from the concerned party.
14. On acceptance of tender, the date of delivery should be strictly adhered to otherwise, the SKB University reserves the right not to accept the delivery in full or in part. In case the order is not executed within the stipulated period, the SKB University will be at liberty to make purchases through other sources.
15. Delivery Schedule: The Company shall be able to deliver the required items within 1 month or mutually agreed date. Delivery/Installation is to be done at SKBU Purulia, West Bengal.
16. Warranty : All the products must carry minimum one year comprehensive warranty.
17. The products asked for should be of very high standard and of mentioned brand.
- 18. Liquidated Damages** : The Company shall be liable to indemnify the SKB University in all respects and meet and pay off the litigation expenses and all the liabilities including damages, sums etc. arising out of and as a consequence of the negligence, deficiencies, mistakes, lapses, delays etc. in the execution of the various jobs and the services provided.
19. The company should ensure quick back up response in case of equipment failure which should be replaced if needed within 48 hours of the distress call.
- 20. Payment:** There is no provision for making advance payment to the Company.
- a. Payment will be made through LC for foreign company or,
- b. Through NEFT/RTGS /cheque for Indian company.
- 21. Purchase Order:** The purchase order for the entire quantity can be placed either in one lump sum or as per the requirement through repeat order subject to availability of fund of the required items. The quantity shown is tentative and may increase or decrease.

Registrar

## Annexure 1

### ProformaForTechncial Bid

Sl	Particulars	Information
1	Name of the Firm & Owner : (with Telephone/Mobile Numbers, email)	
2	Type of Organisation (Proprietorship/Partnership/Pvt. Ltd./Limited Company) Month/Year of Establishment	
3	Website of Bidder, if any	
4	Month/Year of Establishment	
5	PAN/Sales Tax/VAT Regd. Nos.	
6	Annual Turnover 2018-19	
7	Whether product(s) offered by the bidders are exactly as per the configuration of SKB University. If not, indicate the changes in each product	
8	Clientele (submit copies)	
9	Validity of Tender	
10	Whether Terms & Conditions issued by SKB University are acceptable to the Firm	
11	Whether Warranty as per the desired specification	

**\*\* Bidder should only quote rate for 1 unit of each item in BOQ.**

Date

Name:

Signature of Owner/Authorized Representative

Designation:

## **TECHNICAL SPECIFICATIONS(RFID) & Eligibility criteria**

**The RFID based library system (Document Identification and Security, to be integrated with existing Web Centric LIBSYS 10 LMS) with the following specifications is to be supplied:**

### **1. RFID Tags (Qty: 36,000 Nos.)**

- a) The RFID chip used in the tag should have been designed specifically for Library use i.e. it should have the three sections:
  - 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).
- b) The RFID chip (SLIX2) should have multi read function, i.e. several tags can be read at once.
- c) Tag size should be approx.50mmx50mm (+/-10%) with at least 2048 bits memory, multi-read, anti-theft.
- d) Distance for detection from pedestal should be minimum 36 inches.
- e) Tags should be ISO 15693/18000-3 compliant.
- f) Frequency: 13.56 MHz; Life Time Warranty; Write Endurance: 100K cycles

### **2. RFID Staff Station along with Biometric Reader for Member Identification (Qty: 2 Nos.)**

**And 80 MM High Speed Thermal Slip Printer**

#### **a) RFID Reader with PAD Antenna**

##### **RFID Reader**

- Frequency: 13.56 MHz
- Standard: ISO 15693/ 18000-3 compliant
- Weight: Light weight
- Communication Interface: USB 2.0 or higher

##### **PAD Antenna**

- Size: 288 x 263 x 17 mm
- Read/Write Performance: 20” or more
- Cable: 3 m built-in coaxial cable
- RF MAX INPUT Power: 1.2W

**b) Client software for Tagging/Issue/Return & Renewal Client Software should support following features and is to be integrated with existing LIBSYS 10 LMS:**

- Circulation process – Check out /Check in /Renewal
- Tagging/Retagging after proper online validation of the title/member records in LMS database.
- Tag monitoring by accessing item record from LMS database.
- Sorting by accessing Title record from LMS.
- Provision for display of member photograph along with member details while doing the transactions.
- Provision for display of reservations done by a member along with sequence and date of collection.
- Provision of enquiry of checkouts against a member and its due date.
- Provision of slip printing containing the details of a transaction.

**3. RFID Security Gate - One Channel (Qty: 1 No.)**

- a) 2 EAS Pedestals: Clear Model / Floor Mounted
- b) Frequency: 13.56 MHz
- c) Chip Compatibility: ISO 15693 or 18000-3
- d) Gate Synchronization: RF protocol
- e) Dimensions: Size (LxWxH): Pedestal 546 MM x 45 MM x 1846 MM
- f) Alarms: Lights and Buzzer located at the top of pedestal.
- g) People Counter: Integrated bi-directional (counts in and out traffic) bottom embedded.
- h) Range: Upto 120 CMs between pedestals
- i) EAS System: Digital Signal Processor
- j) Power Supply: 240v±10%/ 50Hzs
- k) Communication Interface: Ethernet
- l) Material: High Quality Acrylic UL 94 HB
- m)ETA certificate from WPC is mandatory

**4. NCIP RFID Server Layer for integration of RFID Devices with existing LIBSYS 10 LMS (Qty: 1 No.)**

**5. RFID Handheld Reader for Shelf Management (Qty: 1 No.)**

Portable Handheld RFID Reader having reading distance upto 20 CMs, with in-built Android device with minimum 1 GB RAM, 4 GB ROM, Support Micro SD/TF, SIM, 4” Color Screen, Lithium-Ion battery 5200 mAh, weight less than 350gm and Bluetooth. External power supply AC adapter for desktop charger with input 100-240 V, 1A, 50-60 Hz. RFID client software for monitoring, inventory, location missing items, etc.

**6. RFID Self Check Out Kiosk (Qty: 1 No.)**

It should consist of:

- a) Standard free standing kiosk having elegant design, finish and material.
- b) RFID Reader with PAD Antenna having multiple Read/Write facility.
- c) 80 MM High Speed Thermal Slip Printer
- d) 22” LED Touch Screen Monitor
- e) Biometric Reader for Member Identification
- f) Multi-protocol firmware ISO 15693 and 18000-3 compliant
- g) Communication Interface – Ethernet
- h) The Self-Check-out station client software should interface with existing LIBSYS 10 LMS Software giving following features:
  - Issue / Return / Renewal
  - Transaction Status
  - Transaction Print, SMS and e-mail provision.
  - Intelligent system for automatic judgment of nature of transaction
- i) Provision for display of member photograph along with welcome message before performing any transactions.
- j) Provision of enquiry of checkouts against a user and its due date.
- k) Provision for enquiry of fines against users.

**7. Anti-Theft Stickers for RFID Book Tags (Qty: 36,000 Nos.)**

- a) Good quality, smooth face self adhesive stickers in roll form
- b) Size: Minimum half inch larger on all sides than the RFID tag
- c) Strong permanent adhesive, which does not leach in to the paper of the book

### **Eligibility Criteria**

- **RFID Equipment should be from Global Original Equipment Manufacturer. Provide OEM certificate.**
- **RFID bidder should have local office for service support in Kolkata for minimum 10 years.**
- **Bidder must have minimum 50 live sites, including 3 libraries where proposed RFID system is integrated with LIBSYS software and operational for last 5 years. Provide certificates/installation report.**
- **Bidder should have minimum turnover of Rs.10 Crore P. A. for library automation system in last three financial years. Provide CA certified certificate and audited copy of balance sheet.**
- **Sub contracting of the job or consortium is not allowed. Single party will be responsible for complete implementation and maintenance of system in the long run.**
- **Bidder should have minimum 50 permanent employees on its official role in India. To provide EPF registration details.**

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