GOVERNMENT MEDICAL COLLEGE AND HOSPITAL, SECTOR 32, CHANDIGARH

Notice for enhancement of existing LIBSYS 10 for library up gradation with KSmart System being proprietary article.

The GMCH library intends to purchase KSmart System (Security gates) for library up gradation having below specifications.

Specifications
Attached:

"Enhancement of existing LIBSYS 10 for library up gradation with KSmart System"
As per knowledge of Library, the above said integration will be compatible with the same make as the library is already automated with LIBSYS 10 software.
In case, there is any other integrator for the above said requirement, than they are requested to submit their proposal to The Director Principal, GMCH Chandigarh through email / hard copy latest by 05.06.20, failing which it will be presumed that there is no other firm who can provide such solution and purchase will be processed and finalized from the available source. Firm claiming the integrity is requested to show the integration before proceeding further.

Email : gmchlibrary@rediffmail.com
: dpgmch-chd@gmch.gov.in

Ravneet Kaur

(Dr. RAVNEET KAUR)
Professor & Head - cum-
Chairman Library Committee

Har Kaur 26/5/2020

(Dr. HAR KAUR)
Librarian
GMCH, Chandigarh

Following are the specifications for the procurement of security system for the central library, in addition to the standard terms and condition being followed by procurement branch.

RFID Staff Workstation with Shielded PAD Antenna

1. The RFID Staff station should be able to be placed on top of the circulation table for easy circulation process, thereby providing staff with a fast and efficient solution to programme and verify RFID tags
2. The staff station should be able to read multiple books up to a height of up to 25-30 cm.
3. The staff station antenna should be fully shielded and should have a concentrated reading area. i.e., it should only read items that are placed on it. It should not read items that are in the vicinity.
4. The staff station should be aesthetically designed using Plexiglas/ABS.
5. The staff station should allow circulation related activities like issue, return and renewal to be performed directly on the LMS and also provide tag programming capabilities, taking around five seconds per item to complete.
6. The staff station should have options to be used with multiple items of mixed media, placed on the antenna at any time.
7. The vendor should provide browser based software for the staff station at no additional charges, which is to be installed on existing PC, running Microsoft Windows 10 / 64 bit.
8. The circulation software should be able to process tags programmed as per our library data.
9. The staff station should have the functionality to tag and program, the RFID labels after proper validating of existing data in our LMS.
10. The staff station should comply to ISO 15693/18000-3/28560.
11. The staff station should be compact designed specifically for library use and its PAD. Antenna should not be more than the following dimensions (w x d x h): 350 mm x 300 mm x 20 mm
12. The staff station should be light weighted
13. The staff station should not consume more than 30 W of power.
14. The staff station should support plug and play and connect to the Library PC via USB.

15. The staff station should support 240V ac/50Hz.
16. The staff station should support the 13.56 MHz frequency.

RFID Gate (Single Aisle)

1. The gates shall be fabricated in Clear High Quality Acrylic (Plexiglas)
2. Provision to connect external devices, such as CCTV and/or barriers.
3. The system incorporates visual and adjustable audible alarms
4. On alarm the RFID antennas are fully illuminated
5. The audible alert should have a variable alarm pattern and adjustable volume
6. The system should have integrated people counter to detect both incoming and outgoing traffic (Bi-directional)
7. The gates should have an integrated LED display for diagnostic information and counts.
8. The system incorporates an energy saving function that can remain in a low energy state until the people counter detects movement
9. The system shall provide full 3D detection from 0 to 120 cm
10. The system shall obtain optimal detection performance at a pedestal distance of 100-120 cm
11. System shall read up to 45-50 tags per second in all directions
12. All the required electronics, i.e. readers, multiplexers should be built into (inside) the pedestals.
13. The gate shall support multiple RFID data encoding models simultaneously
14. The system should have the provision for multiple gate installation
15. The system should have an optional Base plate for easy installation of single or dual gate
16. The **antenna**'s shall have following dimensions H 1840-1846 x W 540-546 X 40-45 MM for optimal tag detection

Portable Handheld Reader

1. Required for shelf-reading, re-shelving, searching, weeding and exception-finding
2. Should be able to performs shelf-reading, searching and inventory scans Simultaneously
3. Instant detection of materials that cause an alarm
4. Allows to change security status of an item
5. Battery life: 4-5 hours read time between recharges - typically 6 - 8 hours of use (dependent on application)
6. Manages data transfer from most integrated library systems
7. The proposed portable hand held reader must be cordless and support Android OS.
8. Should be UL, WEEE and RoHS certified

RFID Book Tags along with Anti-Theft Logo Stickers

1. RFID should have dimensions: 50-52mm x 50-52mm, which should be designed for library.
2. Standards: ISO 18000–3, ISO 15693, ISO 28560-1, CE
3. RFID tags must have operating frequency of 13.56MHz, should be delivered in reel form
4. Operating Temperature: -40 °C to 85 °C
5. Memory: 2.5k bits user memory, with self-adhesive backside
6. Should be water resistant and flexible enough so as to be able to bend or crease.
7. Should have Lifetime Warranty, data retention of minimum of 50 years
8. RFID tags should have the capability to provide over 100,000 read/write operations
9. Should have NXP ICODE SLIX2 processor
10. Should have in-built Aluminum antenna.
11. Good quality, smooth face self adhesive stickers in roll form, which does not leach in to the paper of the book.
12. **Size: Anti theft logo sticker** should be minimum half inch larger on all sides than the RFID tag

Quote the rates of the 3000 tags (Approx.) per year with safety logos.

All the related work like Tagging etc

1. Tagging of RFID tags with existing LMS database.
2. Coordinating with library staff for tagging of books, etc.
3. Removing the documents from Shelves and reshelving of all the reading material.
4. Primary and required data as Accession number mentioned on the book or barcode labels on the documents.
5. Fixing self-adhesive RFID tag and anti-theft stickers at the designated place in the documents.
6. Verification of data stored in the RFID Tags.
7. Generation of reports of currently tagged items.
8. Any other work till making the gates and software compatibly functioning.

Minimum Eligibility Criteria : Should be compatible with existing LMS 10

1. **Provision for NCIP Server layer for integration of RFID system with existing LIBSYS 10 Software.**
2. RFID Equipment should be from Original Equipment Manufacturer having Global presence. Provide certificate.
3. RFID bidder should have local office for service support in North India. (Chandigarh/Delhi/NCR) for minimum 10 years. Provide minimum two documentary proofs (Electricity Bill/Telephone Bill/Valid Lease Deed).
4. Bidder must have minimum 10 live sites, including 3 libraries where proposed RFID system is integrated with LIBSYS software and operational for last 2 years. Provide certificates/installation report.
5. 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.
6. Five year warranty and further quote for CAMC for five years.

Quantity required:

Gates	Single Aisle
Staff Workstation	Two
Tags and logos	22000 units
Portable hand held reader	one

These Specifications are not tailor made.