National Institute of Tourism and Hospitality Management

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Quotation for Comprehensive AMC of Radio Frequency Identification System (RFID) and KOHA (Library Management System)

Item description
AMC of KSmart-RFID System Consisting of Below items 1. Library staff Station (1 No.) 2. Two EAS Pedestals Library Security Gate (Set) 3. Self Check out KIOSK Station with Biometric Device (1. No) 4. Biometric Device (1 No) 5. Thermal Printer (1 No.)

AMC Scope of Work

1. Including Koha library software and middleware software maintenance.
2. Inventory Services per year by providing handheld reader to library
3. AMC shall include free upgrade to latest middleware version.
4. Troubleshooting of Faculty RFID reader/hardware/device
5. Repair and Maintenance of RFID hardware
6. Unlimited offsite user support via Team Viewer, Email and Phone.
7. Support service required by the library shall be provide promptly within reasonable time
8. Biometric attendance report to be with link to KOHA user attendance report.

Support RFID Library Systems

RFID Equipment Technical Specification

Item No. 1: Library Staff Station 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 25 cm
Antenna	Internal
Communication Interface	USB/RS232/Ethernet

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Supported Transponders	ISO 15693, ISO 14443A 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: Two EAS Pedestals Library Security Gate Item Minimum Specifications
Security gate should include two theft detection pedestals, which are interdependent of each other and also have an overlapping protection zones providing additional security. 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, 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.

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

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Item No. 3: Self Check Out Kiosk Station with Biometric Single Fingerprint Scanner **Item Minimum Specifications**
RFID Reader with Biometric Single Fingerprint Scanner and Antenna with multiple Read/Write facility
High Speed Thermal Slip Printer
17" or higher LCD/LED Touch Screen Monitor using Capacitive Technology
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:◦ Biometric Fingerprint Scanner Check out / Renewal, ◦ Transaction Status & Printout
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.
Biometric Reader : A scanner that can read user fingerprint for transactions

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 3 to 4 books of average size
Antenna Size	300 X 300 mm
Communication Interface	Ethernet
Supported Transponders	ISO 15693, ISO 14443A and ISO 18000:3
Operating Temperature	-10°C to +70°C

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