



महात्मा गांधी अंतरराष्ट्रीय हिंदी विश्वविद्यालय

पोस्ट हिंदी विश्वविद्यालय, गांधी हिल्स, वर्धा – (महाराष्ट्र), भारत

(Phone : 07152-255686 Fax No.: 07152-247602) (Website : www.hindivishwa.org)

अभिरूचि की अभिव्यक्ति (Expression of Interest)

सूचना क्र. : एम.जी.ए.एच.वी./008-पी.एस./2020-21/01

दिनांक : 17.08.2020

प्रतिष्ठित फर्मों से सीलबंद लिफाफों में अभिरूचि की अभिव्यक्ति (EoI) निम्नानुसार सामग्री हेतु आमंत्रित की जाती हैं-

विवरण	EoI शुल्क	EoI प्रस्तुत करने की अंतिम तिथि
Supply, Installation, Commissioning of RFID (HF) System with integration of existing Library Management System (i.e. KOHA) at Central Library, Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya (MGAHV), Wardha	₹ 1,500/- (Non refundable)	दिनांक 31.08.2020 अपराह्न 12.00 बजे तक

विस्तृत विवरण, प्रपत्र आदि जानकारी विश्वविद्यालय की वेबसाइट www.hindivishwa.org तथा भारत सरकार की वेबसाइट www.eprocure.gov.in पर उपलब्ध है।

कुलसचिव



MAHATMA GANDHI ANTARRASHTRIYA HINDI VISHWAVIDYALAYA

Post Hindi Vishwavidyalaya, Gandhi Hills, Wardha-442 001 (Maharashtra)

Phone: +91-7152-255686, Fax: +91-7152-247602, Website: www.hindivishwa.org

Tender No. : MGAHV/008-PS/2020-21/01

Date: 17.08.2020

Invitation of Expression of Interest (EoI)

for

**Supply, Installation, Commissioning of RFID (HF) System
with Integration of existing Library Management System
(i.e. KOHA) at Central Library,
Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya
(MGAHV), Wardha**



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Invitation to Expression of Interest

Sealed Expression of Interest (EOI) are invited by Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya (MGAHV) from Original Equipment Manufacturers (OEM) or their authorized distributors or vendors/ suppliers with adequate credential for supply, installation and maintaining RFID (HF) -based solutions at Central Library, MGAHV, Wardha

The EOI document and other details are available at University website www.hindivishwa.org and Government of India website www.eprocure.gov.in

The University will examine the credentials of OEM or their authorized distributors or vendors/ suppliers based on the documents submitted and verify the experiences, turnover, list of satisfied clients, financial soundness and certification etc. and scrutinize the EOIs submitted by them.

Interested OEM or their authorized distributors or vendors/ suppliers may submit their sealed EOI documents as per Pro-forma in **Annexure-C**. They must submit non refundable participation fee of **Rs.1500/- (Rupees one thousand five hundred only)** by Demand Draft drawn in favour of the **Finance Officer, Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya payable at Wardha.** along with EOI documents under a sealed envelope super scribed with “**Expression of Interest (EOI)**” for “**Supply, Installation, Commissioning of RFID (HF) System with Integration of existing Library Management System (i.e. KOHA) at Central Library, Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya (MGAHV), Wardha**” by Registered/Speed post only so as to reach to the office of the **undersigned on or before 31.08.2020 by 12:00 noon.**

The EOI proposal will be opened on **31.08.2020 at 3:00 pm**. Interested bidders if desired can be present at that time. Bidder's presentation will be held on **31.08.2020 at 4:00 pm** at the Central Library.

The University Authority reserves the right to reject any or all the offers without assigning any reason. Any attempt on the part of contracting firms to influence, negotiate, directly or indirectly with the University will lead to exclusion from consideration.

Registrar



MAHATMA GANDHI ANTARRASHTRIYA HINDI VISHWAVIDYALAYA

Post Hindi Vishwavidyalaya, Gandhi Hills, Wardha-442 001 (Maharashtra)

Phone: +91-7152-255686, Fax: +91-7152-247602, Website: www.hindivishwa.org

SCHEDULE

Sr. No.	Items	Details
1.	Document Name	Supply, Installation, Commissioning of RFID (HF) System with Integration of existing Library Management System (i.e. KOHA) at Central Library, Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya (MGAHV), Wardha
2.	EoI Notice No. and Date	MGAHV/008-PS/2020-21/01 dated: 17.08.2020
3.	Last date of receiving queries	24.08.2020 by 05:00 pm
4.	EoI proposal will be opened on	31.08.2020 at 3:00 pm. Interested bidders if desired can be present at that time.
5.	Date and Time of Presentation	31.08.2020 by 04:00 pm
6.	Place of Presentation	MGAHV, Wardha (Shall be informed through MGAHV Website)
7.	Last date and time for Submission of EoI Response Form	31.08.2020 by 12:00 pm
8.	Last date and time for Submission of EoI Document (Technical & Financial Bid)	Shall be informed through MGAHV Website ☞ Technical & Financial Bid shall only be issued to those firms, who shall be declared qualified and shortlisted only after evaluation of their EoI Response and subsequent presentation before the designated committee.
9.	Cost of EoI	Non refundable participation fee of Rs.1500/- (Rupees one thousand five hundred only) by Demand Draft drawn in favour of the Finance Officer, Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya payable at Wardha.

Clarification/ Inspection

For any clarification/ inspection of the site, etc. the interested parties may contact the following on all working days i.e. from Monday to Friday between 10:00 am to 05:00 pm, either personally or telephonically or email as per details given below:

For Administrative query-

Shri Vinod Vaidya
Assistant Registrar (Store & Purchase)
MGAHV, Wardha
Tel. : 07152-255686
Email : spt.mgahv@gmail.com

For Technical query-

Dr. Anand Mandit Malayaj
Assistant Librarian
MGAHV, Wardha
Tel. : 07152- 254753
Email : malayajaanand@gmail.com

Note: Bidders are requested to read the complete EoI documents before submission of EoI Response form.

1. Introduction

Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya (MGAHV) intends to set up a comprehensive RFID (HF)-based Library Management System to enhance security and providing check- in/ check-out of documents at Central Library on turnkey basis. The Library is having more than 1,30,000 documents and at present data of 1,00,000 books are there in KOHA LMS Database. Original Equipment Manufacturers (OEM) or their authorized distributors or vendors/suppliers, who have adequate credential for supply, installation and maintaining RFID-based solution in libraries may submit EOI for the purpose. The OEM/ vendor/ supplier should be capable of integrating RFID system to the existing Library Management Software KOHA already installed at Central Library of the university. However, it should be possible to integrate the proposed RFID Solution with any other standard Library Management Software in future.

The bidder may visit the library for actual assessment of work.

NB. The supply, installation and commissioning of RFID System in Central Library must be completed within 60 days from the date of award of the contract.

2. Warranty

Warranty should be for a minimum Three (3) Years for RFID System as well as for its accessories.

Detailed Scope of Work
(Tentative and Subject to change as per the applicants requirements)
Technical Specifications: RFID Library System

Item No. 1. RFID Tags (Qty: 50,000 Nos.)		
Item Minimum Specifications	Compliance Yes/No	Deviation (if any)
The RFID chip used in the tag should have been designed specifically for Library use. i.e. it should have 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)		
The RFID chip (SLIX2) should have multi read function, i.e. several tags can be read at once.		
Tag size should be 80mm x 50mm with at least 2048 bits memory, multi-read and anti-theft		
Distance for detection from pedestals should be 36" or more		
Tags should be fully ISO 15693/18000-3 compliant		
Other features: "Tag Talks First" (TTF) feature, tamper proof, detection rate of the system should be above 95% consistently regardless of the number of items that are in the field		
Life Time Warranty; Write Endurance: 100K cycles		
Mechanical Dimension • Transponder coil size 80X50 mm $\pm$ 0.5mm • Transponder die-cut size 80 x 50 mm 0.2 mm • Thickness of the IC 150 micrometer $\pm$ 10% • Overall thickness of transponder package (excluding IC and siliconized paper) 200 micro meter $\pm$ 10% • Thickness of the siliconized wafer 56 micro meter		
Electrical characteristics • Integrated Circuit(IC) Philips i-Code-SLIX2. • ICS protocol/anti-collision ISO 15693/18000-3 • Operating frequency 13.56 MHz • Unloaded resonance frequency 14.15 MHz $\pm$0.30 MHz • Memory 2048 bits R/W EEPROM		
General characteristics of transponder • Operating temperature (electronics parts) : -20°C to 85°C • ESD voltage immunity +12 kV peak. HBM • ending diameter(D)> 50 mm. tension less than 10N • Static pressure(P)< 10 MPa(10N/mm²)		
Item No. 2. RFID Staff Station along with Biometric Reader for Member Identification (Qty: 2 Nos.)		
Item Minimum Specifications	Compliance Yes/No	Deviation (if any)
RFID Reader with shielded PAD Antenna specifically designed for Library Use		
Read/Write/Anti-theft programming should be done in one single operation		
Read/Write distance of upto 25 cm and programming time of 1 second		
Should be ISO 15693 and ISO 18000:3 compliant		

The programming station should interface with the Library Management Software using NCIP/SIP2 protocol			
Integrated with Biometric reader for member identification.			
Client Software should support following features: ▪ 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.			
Specifications			
Parameter	Technical Specs		
Operating Frequency	13.56 MHz		
Power Supply	5V to 12V		
Power Consumption	1.2W minimum		
Transmitting Power	1W (with anti-collision algorithm)		
Read Range	Upto 25 cm		
Communication Interface	USB 2.0 or higher		
Supported Transponders	ISO 15693 and ISO 18000:3 (Optional 14443A)		
Dimensions	Antenna 288mm X 263mm X 17mm & Reader 123mm X 68mm X 30mm		
Indicators	LED/Buzzer for power, read verification etc.		
Operating Temperature	-10°C to +70°C		
Housing Material	ABS (Includes metallic shielding)		
Item No. 3.RFID Security Gate - One Channel (Qty: 1 No.)			
Item Minimum Specifications		Compliance Yes/No	Deviation (if any)
2 EAS Pedestals: Clear Model / Floor Mounted: 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, webcam 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.			
ETA certificate from WPC is mandatory			
Specifications			
Parameter	Technical Specs		
Operating Frequency	13.56 MHz		
Power Supply	240v±10%/ 50Hzs		

Power consumption	30W maximum		
Transmitting Power	>4W		
Read Range	Upto 140 CMs between two pedestals		
Gate Synchronization	RF protocol		
Dimensions(LxWxH)	Pedestal 546 mm x 45 mm x 1846 mm		
Alarms	Lights and Buzzer located at the top of pedestal.		
EAS System	Digital Signal Processor		
Communication Interface	Ethernet		
Chip Compatibility	ISO 15693 or 18000-3		
Operating Temperature	-10°C to +70°C		
Weight	25 Kg Approx.		
Housing Material	High Quality Acrylic UL 94 HB		
Item No. 4. NCIP/SIP2 RFID Server Layer for integration of RFID Devices with LMS (Qty: 1 No.)			
Item Minimum Specifications		Compliance Yes/No	Deviation (if any)
Client Software should support following features and is to be Integrated with existing Integrated Library Management Software			
Tagging/Re-tagging after proper online validation of the title /member records LMS database			
Tag monitoring by accessing item record from ILMS database			
Send SMS & Email for circulations and registration transaction which can be selected for specific users.			
NCIP/SIP2 compliance			
Re-tagging option for re-registration of books & patrons			
Sorting by accessing Title record from ILMS			
Check out / Check-in / Renewal			
Provision to 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 for details of fine against a member			
Provision of slip printing containing the details of a transaction			
Reserved titles shall get highlighted while check-in			
Designing of Library web page for providing various services through internet, including Web OPEC and giving link to information website.			
Item No. 5: Self Check Out Kiosk (Qty: 1 No.)			
Item Minimum Specifications		Compliance Yes/No	Deviation (if any)
RFID Reader with shielded PAD Antenna specifically designed for Library Use.			
Kiosk should suit the library decor			
High Speed 80 MM Thermal Slip Printer (Auto-Cutter)			
Biometric Reader for member identification			
22" 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 — USB/Ethernet			
The Self Checkout station client software should interface with the ILMS Software giving following features: ○ Issue / Return / Renewal ○ Transaction status ○ Transaction Print, SMS and email provision. ○ Read/Write operation on Patron Cards ○ Intelligent system for automatic judgement of nature of transaction			
Provision for display of member photograph along with welcome message before performing any transactions.			
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.			
Provision for enquiry of fine against a user,			
Customized wood enclosure finishes with international standard kiosks dimensions.			
Elegant, state-of-the-art and sleek look with proper combination of color and materials.			
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	Upto 25 CMs		
Dimensions	1520 mm X 600 mm X 240 mm (with screen)		
Communication Interface	Ethernet		
Supported Transponders	ISO 15693, ISO 14443A and ISO 18000:3		
Operating Temperature	0°C to +60°C		
Weight	25 Kg approximately		
Material	Laminate + Corian + Toughened Glass		
Display	22" TFT capacitive touch screen		
Item No. 6. RFID Book Return Qty: 1 No.)			
Item Minimum Specifications		Compliance Yes/No	Deviation (if any)
Integrated Book drop enclosure having elegant design, finish in Laminate + Corian + toughened glass.			
RFID Reader with PAD Antenna having multiple Read/Write facility.			
24 hrs operation should be possible			
Minimum 100 Books Aluminium Drop Books Receiving Cart with vertically movable base			
Multi-protocol firmware ISO 15693 and 18000-3 compliant			
Real time check in should be processed			

High Speed 80 MM Thermal Slip Printer (Auto-Cutter)		
22" LCD/LED Touch Screen Monitor using Capacitive Technology		
Branded Small Form Factor CPU		
Client software to guide the individuals in checking-in of RFID tagged books integrated with existing LMS		

• **Eligibility Criteria**

1. RFID Equipment should be from Global Original Equipment Manufacturer who have automated atleast 400+libraries globally. Provide OEM certificate.
2. RFID bidder should have dedicated support engineer/s in Maharashtra for service support for minimum 5 years.
3. Bidder must have minimum 50 live sites, including 3 libraries where proposed RFID system is operational for last 5 years. Provide certificates/installation report.
4. The Bidder/OEM should have average annual turnover of Rs. 05 Crore (Minimum) in the last three financial years. The copies of Audited Accounts / Balance Sheet, Profit & Loss Account along with Income Tax Returns for the last three years shall be attached with the EoI document.
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. Bidder should have minimum 50 permanent employees on its official role in India. Provide EPF registration details.
7. The Bidder/OEM should submit Certificate of Authorization from the Principal Manufacturing Company and self-declaration in case of OEM Bidding to quote the EoI document.
 - ❖ The Bidder/OEM should be a company registered in India with Registrar of Companies since at least last 07 years.
 - ❖ A Certificate(affidavit) to be signed by MD/ CEO/ authorized signatory of the company that they have not been debarred or blacklisted for any services, supplies or products dealing in, by any organization or educational institutes/ universities.

• **Other Information**

- a. Name, address and contact details of present and past satisfactory services of clients from Central/State Government Institutes to whom such services have been extended for Libraries. Special mention may be made of clients in educational institute in Wardha if any.
- b. If needed, at the time of opening the EOI Document the University Authority can ask for extra (specific) documents and/or originals or clarification of uploaded documents to confirm its authenticity which will have to be provided at that time by the Party, failing which the decision taken by the University Authority will be final and binding on the bidder.
- c. It is within the discretion of the Competent Authority of the University to increase or decrease the quantity/Number of items listed at Annexure-B to be purchased and/ or to relax the conditions if the need arises.

- d. No extra payment will be made on and above the final price quoted by bidder. There should not be any hidden charges.
- e. The suppliers should be capable enough of demonstrating the proposed system in Central Library, MGAHV, Wardha in person or online as directed/desired by the competent authority of the University at no extra cost.
- f. The OEM or their authorized distributors or vendors/ suppliers must submit the documentary proof in support of meeting the eligibility criteria.
- g. In case the due date for opening the EOI document and the date of presentation happens to be holiday, the same will be done on the next day. The timing will however remain unchanged.
- h. Preferences will be given to companies having national presence and ISO Certification.
- i. All the pages of the document must be signed and stamped.

Yours faithfully,
Name of Authorized Signatory
Signature with Date Seal of company

**Pro-forma for EoI Response submitting Expression of Interest
on RFID Solutions at MGAHV, Wardha**
[To be submitted by OEM/Vendor/supplier/distributor on their Letter Head]

From

Date:.....

To

The Registrar

Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya

Post Hindi Vishwavidyalaya

Gandhi Hills,

Wardha-442001 (Maharashtra), INDIA

Sub: Supply, Installation, Commissioning of RFID (HF) System with Integration of existing Library Management System (i.e. KOHA) at Central Library, MGAHV, Wardha

Ref. No : dated :

Sir,

With reference to the above, we are pleased to submit our **Expression of Interest (EOI)** at Central Library, Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya Post Hindi Vishwavidyalaya Gandhi Hills, Wardha-442001 (Maharashtra), INDIA. We are enclosing the following information for your kind consideration.

❖ About Company

- Name & Status of OEM or their authorized distributors or vendors/ suppliers:
- Name of Key persons CEO/MD/Chairman, etc. with contact no and Email ID:
- Registered with DGS&D/NSIC/SSI unit: Yes/No, If yes, Regn. No:
- Income Tax PAN No.:
- GST No. :
- Bankers and their address along with type of Account & Account No.
- PF No. ESI No.
(Please enclose documents pertaining the above PF and ESI no.)

- Name, address and contact details of present and past satisfactory services of clients from Central/State Government institutes to whom such services have been extended for libraries.

❖ **A Certificate (affidavit) to be signed by MD/ CEO/ authorized signatory of the company:**

Customer references and Purchase orders from 3 Libraries where we have implemented RFID (HF) based library automation solution having 50,000 books in each of the libraries with KOHA Library Management Software, in India. The RFID based Library Solutions are working (operational) since at least 3 years with KOHA LMS:

- Average annual **financial** turnover:
- Last three years audited financial statements:
- List of our valuable customers (with key persons' contact details):
- Write up on Company's past experience as a solution provider for complete RFID Solutions

❖ **Proposal**

- Detail proposal of project with all relevant details:
 - Minimum Technical Specification of Each Items Proposed
 - Software Specification & Protocol for connecting with Library Management Software
 - Book Tagging Job and Turnkey basis Documents Processing Job Workflow details with timeline
- Aftersales, Support:
 - Support on-site and off-site
- Product end of support period if any
 - Expected Life of the Products

We confirm that we shall abide by all the conditions and we are willing to participate in consequent meetings/discussions in this reference. We shall give demonstration of the proposed system. The expenditure will be borne by us.

Thanking you.

Yours faithfully,
Name of Authorized Signatory
Signature with Date Seal of company

DECLARATION**[To be submitted by OEM/Vendor/supplier/distributor in their Letter Head]**

I son / daughter of Proprietor
 / Partner / Director / Authorized Signatory of M/s.....
 am competent to sign this declaration and execute this EOI document (Ref. No.
 dated)

I have carefully read and understood all terms and conditions of the EOI and hereby
 convey my acceptance of the same.

The information/ documents furnished along with the above application are true and authentic to
 the best of my knowledge and belief.

I / we/ am well aware of the fact that furnishing of any false information/ fabricated document
 would lead to rejection of our EOI at any stage. The decision of the MGAHV, Wardha in this
 regard will be final and binding to us.

Signature of the authorized person :

Date: Full Name :

Place: Company Seal :

Note: The above declaration duly signed and sealed by the authorized signatory of the OEM/
 vendors/suppliers should be enclosed with the EOI document.