

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./2020-21/02

दिनांक : 25.09.2020

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 12.10.2020 अपराहन 03.00 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/2020-21/02

Date: 25.09.2020

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/Courier/Sealed Envelop in person/by password protected Email on (registrar.mgahv@gmail.com) for which password should be made available one hour before opening of the proposals, so as to reach to the office of the undersigned on or before 12.10.2020 by 03:00 pm.

The EOI proposal will be opened on **12.10.2020 at 4:00 pm**. Interested bidders if desired can be present at that time. Bidder's presentation in person or online will be held on **14.10.2020 at 4:00** pm location for which will be intimated to the shortlisted firms by E-mail. In case of online presentation link will be provided to the Bidder's.

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

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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/2020-21/02 dated: 25.09.2020
3.	Last date of receiving queries	28.09.2020 by 05:00 pm
	•	
4.	EOI proposal will be opened on	12.10.2020 at 4:00 pm. Interested bidders if desired can be present at that time.
5.	Date and Time of Presentation	14.10.2020 by 04:00 pm
6.	Place of Presentation	MGAHV, Wardha (Shall be informed by E-mail to
		the shortlisted Bidder's)
7.	Last date and time for Submission	12.10.2020 by 03:00 pm
	of EoI Response Form along	
	with requisite enclosures.	
8.	Last date and time for	Shall be informed through MGAHV Website
	Submission of EoI Document	☞ Technical & Financial Bid shall only be issued
	(Technical & Financial Bid)	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.

In case of any change in date of opening of EoI, the same shall be notified through University WEBSITE ONLY on URL *www.hindivishwa.org*.

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, if desired, 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 ± 0 5mm Transponder die-cut size 80 x 50 mm 0.2 mm Thickness of the IC 150 micrometer ± 10% Overall thickness of transponder package (excluding IC and siliconized paper) 200 micro meter ± 10% Thickness of the siliconized wafer56 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 ±0.30 MHz Memory 2048 bits R/W EEPR0M 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) $< 10 \text{ MPa}(10\text{N/mm2})$		
Item No. 2. RFID Staff Station along with Biometric Reader for Member Identificatio	n (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.		

Security gate should i interdependent of each of providing additional secur location in the library. The Standard electronic counter	nclude two theft detection pedestals, which are other and also have an overlapping protection zones rity. It is planned to install these pedestals at a single e system should have suitable number of I/O ports for er, webcam trigger, CCTV, locking gates etc. The offer espects with CCTV integration and must include all the		
Item Minimum Specifications 2 EAS Pedestals: Clear Model / Floor Mounted:			Deviation (if any)
Item No. 3.RFID Security (Gate - One Channel (Qty: 1 No.)	Compliance	-
Housing Material	ABS (Includes metallic shielding)		
Operating Temperature	-10°C to +70°C		
Indicators	LED/Buzzer for power, read verification etc.		
Dimensions Antenna 288mm X 263mm X 17mm & Reader 123mm X 68mm X 30mm			
Supported Transponders	ISO 15693and ISO 18000:3 (Optional 14443A)		
Communication Interface USB 2.0 or higher			
Read Range Upto 25 cm			
Transmitting Power	1W (with anti-collision algorithm)		
Power Consumption	1.2W minimum		
Power Supply	5V to 12V		
Operating Frequency	13.56 MHz		
Parameter	Technical Specs		
	Specifications		
 Sorting by accessing 7 Provision for display doing the transactions Provision for display and date of collection. Provision of enquiry of the second seco	of reservations done by a member along with sequence		
 Client Software should sup Circulation process – Tagging/Retagging af 			

should also have multi-li in-out numbers.		
ETA certificate from WP	C 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.	
$N_{o} \rightarrow MC \Lambda UUV/0.00 DC/20$	0.20, 21/0.2	Daga 6 of 12

EAS System			
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 RFIE	Server Layer for integration of RFID Devices with LMS	(Qty: 1 No.)	
	Item Minimum Specifications	Compliance Yes/No	Deviation (if any)
Client Software should sup existing Integrated Library	pport following features and is to be Integrated with Management Software		
Tagging/Re-tagging after p LMS database	proper online validation of the title /member records		
Tag monitoring by accessin	g item record from ILMS database		
Send SMS & Email for caselected for specific users.	irculations and registration transaction which can be		
NCIP/SIP2 compliance			
Re-tagging option for re-reg	gistration of books & patrons		
Sorting by accessing Title re	ecord from ILMS		
Check out / Check-in / Rene	ewal		
Provision to display of rese date of collection	ervations done by a member along with sequence and		
Provision of enquiry of chee	ckouts against a member and its due date		
Provision for details of fine	against a member		
Provision of slip printing co	ontaining the details of a transaction		
Reserved titles shall get high	hlighted while check-in		
	page for providing various services through internet, giving link to information website.		
Item No. 5: Self Check Out H	Kiosk (Qty: 1 No.)		
Item Minimum Specifications		Compliance Yes/No	Deviation (if any)
	PAD Antenna specifically designed for Library Use.		
Kiosk should suit the library			
	al Slip Printer (Auto-Cutter)		
Biometric Reader for memb			
	en Monitor using Capacitive Technology		
Branded Small Form Factor			
Multi protocol firmware ISO/IEC 14443A. 15693 and ISO 18000:3 compliant			
Communication interface — USB/Ethernet			
Software giving following f • Issue / Return / Renewa • Transaction status	al		
	on Patron Cards automatic judgement of nature of transaction		
Provision for display of me performing any transactions	mber photograph along with welcome message before		

	servations 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,				
1.0	bosure finishes with international standard kiosks			
dimensions.	sure ministres with international standard klosks			
Elegant, state-of-the-art an materials.	nd sleek look with proper combination of color and			
	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 $+60^{\circ}$ C			
Weight	25 Kg approximately			
Material	Laminate + Corian + Toughened Glass			
Display				
Item No. 6. RFID Book Retu	urn Qty: 1 No.)			
Item Minimum Specifications			Deviation (if any)	
Integrated Book drop enclosure having elegant design, finish in Laminate + Corian + toughened glass.				
RFID Reader with PAD A	ntenna 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 sufficient experience in Library automation. Provide OEM certificate.
- 2. RFID bidder should have dedicated support engineer/s in Maharashtra for service support.
- 3. Bidder must have live sites in operation, including 03 libraries where proposed RFID system is operational for last 02 years. Provide certificates/installation report.
- 4. The Bidder/OEM should have average annual turnover of Rs. 02 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 sufficient permanent employees, to provide proper services, 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.
 - ✤ 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.

• Evaluation process

All proposals received by the MGAHV shall be evaluated by an Evaluation Committee duly constituted by the MGAHV, on the basis of eligibility criteria mentioned in this document. Only the shortlisted bidders will be informed of their selection for presentation. Technical & Financial Bid will be issued to the bidder's recommended by the Evaluation/Presentation Committee.

Proposals found to be non-responsive for any reason or not meeting the minimum eligibility criteria, as specified will be out rightly rejected. The MGAHV shall be at liberty to reject any response received from any company or consortium for the Expression of Interest in reply of notice inviting Expression of Interest dated 25.09.2020.

A two-stage procedure will be adopted in evaluating the proposals viz. a Technical evaluation and a financial evaluation.

Sr. No.	Pre-qualification Criteria	Evaluation	Marks	Maximum Marks
01	OEM/Bidder who have experience of	More than 200	20	20
	Library automation (Number of Libraries)	from 101 to 200	15	
		from 51 to 100	10	
		Up to 50	05	
02	Availability of dedicated support	More than 05	15	15
	engineer/s in Maharashtra for service	from 03 to 05 years	10	
	support.	0 to 2 years	05	
03	Live sites in RFID operation for last	More than 05 sites	15	15
	02 years.	from 04 to 05 sites	10	
		3 sites	05	
04	Total Live sites in RFID operation	More than 50 sites	20	20
		from 26 to 50 sites	15	
		from 16 to 25 sites	10	
		10 to 15 sites	05	
05	No. of permanent employees/ manpower	More than 50	15	15
		from 26 to 50	10	
		10 to 25	05	

MGAHV, Wardha will evaluate the bidders on the criteria as defined below:

06	The Bidder/OEM average annual turnover	More than 06 Crore	15	15
	in the last three financial years.	from 05 to 06 Crore	10	
		02 to 04 Crore	05	
		Total	Marks	100

<u>Note</u> : The minimum score required to Qualify for Presentation is : 60 marks earned. However the Committee reserves the right to relax the minimum score criteria.

• 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 and around 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 submitted must be signed and stamped.
- j. Any change(s) in the terms and conditions and specifications will be notified on the MGAHV website (**www.hindivishwa.org**) ONLY and the bidders are requested to check the website for any corrigendum/ change. There wouldn't be any newspaper advertisement towards the same. If any bidder misses the information published on the website and their bid is rejected, no complaint would be entertained.

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:....

Annexure – C

То

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 F	Proprietor
/ Partner / Director / Authorized Signatory of M/s	1
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/ are 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	ed 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.