



# *GURU NANAK DEV UNIVERSITY, AMRITSAR*

(Established by the State Legislature Act. No 21 of 1969)  
Accredited at “A++” grade level by NAAC and awarded  
“University with Potential for Excellence” status by UGC

## **GURU NANAK DEV UNIVERSITY, AMRITSAR**

(Established by the state Legislature Act No. 21 of 1969)

### **Recruitment Cell**

#### **EXPRESSION OF INTEREST (EOI) NOTICE**

**Applications invited to provide  
Biometric Authentication Services**

Expression of Interest (EOI) & applications are invited to provide Biometric Authentication Services during multiple Examinations in Punjab. For more details, kindly visit GNDU website ([gndu.ac.in](http://gndu.ac.in)). Last date for receiving hard copy of quotation along with relevant documents by post is **24/04/2025** upto **3:00 pm**.

***Co-ordinator***



# GURU NANAK DEV UNIVERSITY, AMRITSAR

(Established by the State Legislature Act. No 21 of 1969)  
Accredited at “A++” grade level by NAAC and awarded  
“University with Potential for Excellence” status by UGC

Ref. No.- EOI/3336/RC

Dt. 02/04/2025

**Expression of Interest (EOI) for selection of Applicant to provide Biometric authentication services during multiple stage examinations including recruitment/eligibility/Counseling/Interview etc. (including written/MCQ based test/Screening/Practical test).**

## I. INTRODUCTION

Guru Nanak Dev University (GNDU), Amritsar invites Expression of Interest (EOI) from registered and experienced companies (hereinafter referred as “Applicant” or “Service Provider”) for Biometric authentication services during multiple examinations for three years may be extendable for further two years subject to the evaluation of the performance of the company.

## II. Applicant Pre-Qualification Criteria

- 1) The Applicant shall be a Private Limited or Limited Company registered under the Indian Companies Act 1956 or 2013 of GOI and should be into existence in India for last 5 years as on day of EOI published. Consortium / Joint venture bid not allowed. Proprietorship / Partnership firms are not allowed to participate. (Copy of Registration Certificate to be submitted)
- 2) The Applicant should have an average annual turnover of INR 35 Crores from Examination-based projects during the last three financial years i.e., 2021-22, 2022-23 and 2023-24 and should have Net Worth of INR 10 crores as on 31st March 2024 (Copy ITR of last three financial years to be submitted).
- 3) The Applicant must possess valid GST Certificate and PAN. (Copy of PAN No. Certificate to be submitted).
- 4) The Applicant must have a valid ISO 9001 certification and CMMi Level 3 certification (verifiable on the CMMi website: <https://cmminstitute.com/pars>), both should be issued at least six months prior to the date of EOI published (Copy of ISO and CMMI Certificate to be submitted).
- 5) Applicant must have successfully executed work orders for at least 3 different Govt. Organization’s directly for the provision of Biometric Authentication service into Examination based projects for any Government department directly during last 5 years as on day of EOI published. (Copy of Work order/ Work Completion Certificate/ Copy of Bill to be submitted).
- 6) Applicant should have work experience of at least
  - a) 1 work order of more than 1,50,000 candidates in a single shift
  - b) 1 work order of more than 50 cities in a single exam assignment for the



# GURU NANAK DEV UNIVERSITY, AMRITSAR

(Established by the State Legislature Act. No 21 of 1969)  
Accredited at “A++” grade level by NAAC and awarded  
“University with Potential for Excellence” status by UGC

provision of biometric based Impersonation control into Examination based projects for any Government department directly during last 5 years as on day of EOI published (Copy of Work order/ Work Completion Certificate/ Copy of Bill to be submitted).

- 7) The Applicant should not stand blacklisted by any Govt. Organization/ Board/ Council/ University/ Commission and any other Government/ PSU / Government undertaking organization as on day of EOI published.
- 8) EMD (Earnest money deposit) of Rs. 1,00,000/- in the form of Demand Draft (DD) in favour of “Registrar Guru Nanak Dev University Amritsar” Payable at Amritsar should be deposited with EOI. EMD of organizations which are not considered, will be returned as such within one month of the finalization of the organization to be considered. The EMD of the selected Firm will be returned within three months after the termination of agreement with the firm.
- 9) The technical bid and the financial bid should be sealed in separate envelopes and the application, EMD and both envelopes the technical bid and financial bid should be packed in one envelope.

## III. SCOPE OF WORK

### **IMPERSONATION CONTROL THROUGH BIOMETRIC AUTHENTICATION**

GNDU is keen to implement Impersonation Control through Biometric Capturing and Authentication System to make the examination process robust by implementing below mechanism:

#### **Digital Finger-print capturing and Facial recognition of candidate by verifying Candidate's identity on real-time basis**

- i. Examination date and list of examination centres will be provided to the successful Service Provider by the GNDU at least one week before the date of commencement of examination.
- ii. GNDU will provide centre-wise data (Roll numbers, Photos, Name, Exam date/shift etc.) of all registered candidates to the Service Provider. Service Provider will then use this data for Finger-print and Face recognition device and shall enable respective mechanism and candidate verification during the subsequent stages of the process.
- iii. Service Provider will have to install QR code scanner integrated hand-held device of Fingerprint scanner & Face recognition, along with manpower at each & every Examination centre at the time of examination.
- iv. Solution should have provision of real-time attendance monitoring system



# GURU NANAK DEV UNIVERSITY, AMRITSAR

(Established by the State Legislature Act. No 21 of 1969)  
Accredited at “A++” grade level by NAAC and awarded  
“University with Potential for Excellence” status by UGC

through secured web server.

- v. Service Provider has to maintain the entire database and application server at two different seismic zones within India, making one site as DC (Data centre) and other site as DR (Disaster recovery).
- vi. QR code / Bar code containing roll number on the Admit card of the candidate should be scanned/read to auto-fetch the candidate details from Application Database (provided by GNDU) and incase, QR/Bar code is missing on admit card, then manual entry of roll number with candidate information has to be made. Thereafter, Fingerprint capturing of candidate's and Face recognition by the Hand-held device shall be done at the Security gate before the beginning of examination.
- vii. All activities should be completed before conclusion of examination.
- viii. The scanning of the fingers shall be done in the following sequence if the thumb print scanning cannot be done: Index finger, middle finger, ring finger, little finger.
- ix. Service Provider should deploy de-duplication algorithm across the database to avoid the duplicity of enrollment records.
- x. The facial recognition should be performed in a completely stateless transaction of two images (one image provided during the online registration and the other capture on the day of the exam).
- xi. CPU configuration for running facial recognition: SkyLake generation or later.
- xii. Image requirements for facial recognition
  - a. GIF, PNG, JPEG, TIFF RGB24 bpp
  - b. Face size: at least 60 pixels between eyes and a sharp image.
- xiii. The Service Provider has to perform physical verification of Candidate photo with application database (provided by GNDU) at the time of security gate entry.
- xiv. Biometric activity shall not be stopped on any ground and data capturing /identification work must be completed during the stipulated time period of the examination.
- xv. After the completion of activity as per scope, the Service Provider will hand-over the entire captured data in HDD in a sealed manner with super



# GURU NANAK DEV UNIVERSITY, AMRITSAR

(Established by the State Legislature Act. No 21 of 1969)  
Accredited at "A++" grade level by NAAC and awarded  
"University with Potential for Excellence" status by UGC

scribing Exam Name along with report and forwarding letter duly signed by the Service Provider to the GNDU, on the day of examination.

- xvi. The Service Provider shall not be allowed to take away any data either in hard copy or soft copy and the work is to be carried out in the designated exam centres.
- xvii. The Service Provider must verify identity of the candidates from the captured data taken during the examination at the time of verification process as scheduled by GNDU.
- xviii. The Service Provider will depute atleast One Hand-held Fingerprint scanner / Face recognition device per manpower on every 100 candidates during different Examination stages as & when scheduled by GNDU. Additional Hand-held devices should be made available as per normal practice in case of emergency.
- xix. The Service Provider will have to ensure that all the devices must be functional and has captured Fingerprint & Photographs of each and every candidate who have appeared in the examination at each centre.
- xx. If the examination is conducted in two or more shifts in a day at a centre, the activity should be performed separately in all the shifts during the duration of examination.
- xxi. After completion of work, the Service Provider has to submit self-attested centre-wise work completion certificate to the GNDU.
- xxii. Solution should not be Laptop/PC based. It should be Hand-held device integrated with STQC approved Hand-held touchless scanner only. Weight of the machine should not be more than 1 kg.

## **IV. PAYMENT TERMS**

- a) No advance payment shall be made under any circumstances to the successful bidder.
- b) Candidates will be applicable as per Admit card generated/issued.
- c) Formula for Invoice derivation would be:(Number of candidates as per Admit card generated x Per candidate per shift rate).



# GURU NANAK DEV UNIVERSITY, AMRITSAR

(Established by the State Legislature Act. No 21 of 1969)  
Accredited at “A++” grade level by NAAC and awarded  
“University with Potential for Excellence” status by UGC

## V. PENALTY

- a) In case of any candidate being leftover, intentionally or unintentionally, during Biometric capturing or authentication stage at the time of Examination, Bidder would be penalized by Department as per below
  - amount of leftover candidates would not be paid
  - 100% amount would be penalized as of leftover (number of candidates\* Per Candidate Per Shift rate)
- b) Maximum penalty will be capped at 5% of the Work Order Value for the specific service related to the specific exam.
- c) GNDU can consider debarring of the Service provider.

## VI. MODE OF SUBMISSION

The EOI response shall be submitted by the intending applicants **through Registered Post.**



# GURU NANAK DEV UNIVERSITY, AMRITSAR

(Established by the State Legislature Act. No 21 of 1969)  
Accredited at "A++" grade level by NAAC and awarded  
"University with Potential for Excellence" status by UGC

## Form I: Compliance Sheet for Pre-Qualification

Sl. No.	Requirement	Documents Required	Compliance (Yes/No)	Page No. of Enclosure
1	Private Limited or Limited Company	Copy of Registration Certificate		
2	Annual turnover of INR 35 Crores	ITR of last three financial years		
3	Net Worth of INR 10 Crores	Balance sheet copy duly signed by CA for last financial year		
4	GST	GST Certificate		
5	PAN	PAN Certificate		
6	Valid ISO 9001 certification and CMMi Level 3 certification(verifiable on the CMMi website: <a href="https://cmminstitute.com/pars">https://cmminstitute.com/pars</a> )	Copy of ISO 9001 Certificate and CMMI issued at least six months prior to the date of EOI published		
7	work orders for at least 3 different Govt. organization's	Copy of work orders		
8	1 work order of more than 1,50,000 candidates	Work order copy		
9	1 work order of more than 50 cities in a single exam	Work order copy		
10	Blacklisted by any Govt. Organization/ Board/ Council/ University/ Commission and any other Government/ PSU / Government	Undertaking as per the Annexure A		
11	EMD in the form of Demand Draft of Rs. 1,00,000/-	In favour of Registrar, EMD of L-1 firm after finalization works will be kept in the University and EMD of unsuccessful bidder(s) will be send back by post		

## Form II: Particulars of Firm

Sl. No.	Information Sought	Details Furnished
1	Name and Address of the Firm	
2	Year of Establishment	
3	Registration Number	



# GURU NANAK DEV UNIVERSITY, AMRITSAR

(Established by the State Legislature Act. No 21 of 1969)

Accredited at "A++" grade level by NAAC and awarded

"University with Potential for Excellence" status by UGC

Sl. No.	Information Sought	Details Furnished
4	Details of Registration	
6	GST Number	
7	PAN	
8	Name, Address, Email, Phone Numbers of Contact Person	

**Note :** Submitting & sending the duly signed copy of all required documents are mandatory. In case of any discrepancy in the documents, the application will be rejected without any further communication.





# GURU NANAK DEV UNIVERSITY, AMRITSAR

(Established by the State Legislature Act. No 21 of 1969)  
Accredited at "A++" grade level by NAAC and awarded  
"University with Potential for Excellence" status by UGC

## Form III: Letter of Proposal

To

The Registrar, Guru Nanak Dev University, Amritsar, Punjab -143005.

**Subject: Submission of Expression of Interest (EOI) for Impersonation Control through Biometric Capturing and Authentication System.**

Dear Sir,

We, the undersigned, offer to provide the services for Impersonation Control through Biometric Capturing and Authentication System under the Co-ordinator, Recruitment Cell at Guru Nanak Dev University, Amritsar. We hereby submit our proposal, including the technical bid and the financial bid, sealed in separate envelopes along with the EMD.

We declare that all the information and statements made in this technical bid are true and correct. We accept that any misrepresentation contained herein may lead to our disqualification.

We undertake that, if our proposal is accepted, we will provide the quality service as and when required by the University. We agree to abide by all the terms and conditions of the request for proposal and hold the terms of our bid valid for 60 days.

We understand that the University is not bound to accept any proposal it receives.

Yours sincerely,

**Authorized Signatory** Name and Title of the Signatory Name of the Company  
Address Location Date

## Form IV: Compliance Sheet for Technical Proposal

Tablet Specifications:

Sr. No.	Category	Specification	Compliance or Not
1	Processor	2.0GHz	
2	Memory	2GB	
3	Display	8"HD(1280x800)WVA400nits	



# GURU NANAK DEV UNIVERSITY, AMRITSAR

(Established by the State Legislature Act. No 21 of 1969)  
Accredited at "A++" grade level by NAAC and awarded  
"University with Potential for Excellence" status by UGC

4	Touchscreen	10-pointMulti-touch	
5	Storage	32GBeMMC	
6	ExpandableMemory	MicroSDcard(Upto128GB)	
7	WLAN+Bluetooth	11a/b/g/n/ac,1x1+ BT5.0	
8	WWAN	4G LTE	
9	CardSlot	SingleNano-SIM&MicroSDCardHolderTray	
10	Case Material	Metal/Plastic	
11	Camera	Front2.0MP/Rear 8.0MP	
12	Microphone	Mono	
13	VoiceCall	VoiceCall	
14	Battery	Integrated5100mAh	
15	Power Adapter	5V/1.0A	
16	OperatingSystem	Android	

Finger Print Scanner Specification:

Sr. No.	Description	Compliance or Not
1	Finger Print Sensor Optical(scratch free sensor surface)	
2	Resolution500DPI/256gray	
3	SensingArea16x18mm	
4	Operation Temperature0~50°C	
5	StandardsANSI-378,ISO19794-2	
6	SupportsEncryptionalgorithmsAES256,RSA2048	
7	SupportsHASHingalgorithmsMD5,SHA25	
8	PhysicalUniqueDeviceID	
9	InterfaceUSB2.0Highspeed/Fullspeed,Plug& Play	

## Form V: Financial Proposal Submission

To The Registrar, Guru Nanak Dev University, Amritsar, Punjab

GURU NANAK DEV UNIVERSITY, AMRITSAR			
Price Bid/Financial Bid			
Name of Firm:			
Address:			
Contact No./ Email address :			
Contact Person :			
Mobile No :			
Sr. No	Name of the Wok	UOM	Amount in INR (Rupees)
			In      In words



# GURU NANAK DEV UNIVERSITY, AMRITSAR

(Established by the State Legislature Act. No 21 of 1969)  
Accredited at “A++” grade level by NAAC and awarded  
“University with Potential for Excellence” status by UGC

			Figures	
1	Biometric on the Examination Day	Per Candidate per shift		
2	Biometric for the Typing Test Day	Per Candidate per shift		
3	Biometric for the Counselling Day	Per Candidate per shift		
	<b>Total :</b>			
GST if applicable				
<b>Grand Total</b> (Price F.O.R. GNDU, Amritsar)				

**Note: For S.no 2 and 3 above, minimum applicable candidate count for billing will be 100 candidates.**

## **Terms and Conditions:**

The awardee will be responsible for payment of TDS/GST or any other taxes levied by the state and/or central government as per rules.

The offer of L-1 bid is valid for three Year may be extendable for further two years subject to the evaluation of the performance of the company.

## **Jurisdiction of courts:**

All legal matters or any dispute relating or concerning this EOI will be subject to the jurisdiction of court at Amritsar



# GURU NANAK DEV UNIVERSITY, AMRITSAR

(Established by the State Legislature Act. No 21 of 1969)  
Accredited at "A++" grade level by NAAC and awarded  
"University with Potential for Excellence" status by UGC

## Annexure-A

### UNDERTAKING FOR BLACK LIST

It is hereby submitted that M/s \_\_\_\_\_  
(name of agency) \_\_\_\_\_ (Address) do  
hereby solemnly affirm and state as follows:

1. It is hereby submitted that M/s \_\_\_\_\_  
(name of agency) has been offering the services of Biometric Attendance during the examination since \_\_\_\_\_
2. The agency has not been black listed/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency since its Establishment due to whatsoever reasons.
3. No fact has been concealed or incorrectly stated in the above statement
4. In case any fact or information is found false or incorrect at any stage, the Guru Nanak Dev University has right to cancel the contract with agency/impose penalty or both and EMD forfeited.

I/We further declare that the above information is true to the best of my/our knowledge and record.

Name of contact Person :

Name of Agency :

Address :

Contact No.:

Email address :