



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA**  
Mandi Dabwali Road, Bathinda (Pb.) – 151001

**PROCUREMENT CELL**

AIIMS Bathinda/Proc.Cell/2026/045

Start Date: 04/02/2026  
Due Date: 17/02/2026

**Notice Inviting Quotations (NIQ)**

The following items are required for AIIMS, Mandi Dabwali Road, Bathinda – 151001:

Sr.	Product with Description	Qty.	Specifications
1.	Salivary Transcriptome	12 Samples	As per Annexure - A

Kindly arrange to send your quotation giving the lowest rates per unit along with terms and conditions in a sealed cover addressed to the **Executive Director, AIIMS Bathinda, Mandi Dabwali Road, Bathinda – 151001, Punjab**, to reach this office before the last date of receiving Quotations, i.e., on **17/02/2026, Time 17:00**

**The word “Quotations for Salivary Transcriptome for Project (GAP-0049), AIIMS Bathinda, our reference number, and the date should boldly be mentioned on the cover.**

1. While submitting the quotation following should invariably be mentioned:
  - a) Details of Specification and its lowest rate F.O.R. AIIMS Bathinda.
  - b) GST Registration Number (attach copy)
  - c) PAN No. (Attach copy)
  - d) Clearly mentioned GST rates.
  - e) Tax at a concessional rate as applicable to the Educational Institutions
  - f) Completion from the date of receipt of the confirmed order.
2. The rates will be valid for one year from the date of issuance of the Work Order.
3. Payment will be made after the supply and inspection of the delivered items.
4. Under no circumstances will unsealed quotations be entertained in the office.
5. Quotations received after the due date shall not be considered.

*[Signature]*  
03.02.2026  
for OIC, Procurement Cell

**UNDERTAKING**  
(To be returned with quotation)

*We hereby undertake the following:*

1. We will not sell the product (s) to other institutions, bodies and also in the market at rates less than those quoted by us to AIIMS Bathinda.
2. The rate of GST/Excise Duty mentioned in the quotation is in accordance with the provisions of the rules, and the same is payable to the concerned authorities in respect of the stores.
3. The goods/Stores/articles offered shall be of the best quality and workmanship and their supply will be strictly in accordance with the technical specifications and particulars as detailed in the quotation.
4. The information furnished by us in the quotation is true and correct to the best of our knowledge and belief.
5. We have read and understood the rules, regulations, terms and conditions and agree to abide by them.

Authorised Signatory  
(Seal)

**Quotation Proforma**  
 (To be returned with Quotation)

Following proforma should be filled in and duly signed by the firm and sent along with the quotation.

Firm's Reference					Date		
Firm Registration No. (if any)					PAN		
GST No.				Address:			
Phone No.							
Email Id							
M/s:			NIQ No.				
			Last Date of Submission				
Sr.	Product with Description	Qty	Unit Price	GST	Total Unit Price	Total Value	Total Value in words
1							
2							
3							
	<b>Total</b>						

I/we engage to supply the material(s) as required to your office and comply the following:

- i. Terms and conditions of the NIQ.
- ii. That the offer is valid for 90 days.
- iii. That we have not been debarred by any Government body/PSU/Autonomous Body
- iv. That the rates quoted are not higher than the rates quoted for same item to any Government body/PSU/Autonomous Body.
- v. That the quotation submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.

Place:  
 Date:

Authorized Signatory  
 (seal)

### Terms and Conditions

1. The quotation must be in the form furnished by Procuring Entity and should be free from corrections/erasures. In case there is any unavoidable correction it should be properly attested. If not, the quotation will not be considered. Quotation written in pencil will not be considered.
2. All India Institute of Medical Sciences (AIIMS), Bathinda reserves the right to accept the offer by individual items and reject any or all quotations without assigning any reason thereof and does not bind itself to accept lowest quotations.
3. Manufacturer's name and country of origin of materials offered must be clearly specified. Please quote whether your organisation is large scale industry or small scale industry. If you have NSIC/MSE/MSI/DGS&D Certificate, please attach it to the quotation. Mention your registration details.
4. Complete details and ISI specification if any must accompany the quotation. Make/brand of the item shall be stated wherever applicable. If you have got any counter offer as suitable to the material required by us, the same may be shown separately.
5. Samples must be submitted where specified along with the quotations. Samples must be carefully packed, sealed and labelled clearly with enquiry number, subject and sender's name for easy identification. Rejected samples will be returned at your cost if insisted.
6. All supplies are subject to inspection and approval before acceptance. Manufacturer/supplier warranty certificates and manufacturer/Government approved lab test certificate shall be furnished along with the supply, wherever applicable.
7. AIIMS Bathinda reserves the right to modify the quantity specified in this enquiry.
8. The prices quoted should be firm till the supplies are completed. Please quote the rates in words and figures. Rates quoted should be free delivery at destination including all charges otherwise the quotation is likely to be rejected. Prices quoted for free delivery at destination will be given preference. If there is no indication regarding the FOR, in the quotation, then it will be considered as FOR destinations. Price quoted should be net and valid for a minimum period of 90 days from the date of opening of the quotation.
9. Delivery period required for supplying the material should be invariably specified in the quotation.
10. In case your quotation is accepted and order is placed on you, the supply against the order should be made within the period stipulated in the order. AIIMS Bathinda reserves the right to recover any loss sustained due to delayed delivery by way of penalty. Failure to supply the material within the stipulated period shall entitle Procuring Entity for the imposition of penalty without assigning any reasons @ 0.5% (half percent) of the total value of the item covered in order as penalty per day subject to a maximum of 5% (five percent) unless extension is obtained in writing from the office on valid ground before expiry of delivery period.
11. If the deliveries are not maintained and due to that account Procuring Entity is forced to buy the material at your risk and cost from elsewhere, the loss or damage that may be sustained there by will be recovered from the defaulting supplier.
12. Dispute clause: Any dispute relating to the enquiry shall be subject to the jurisdiction of the court at Bathinda only.
13. Our normal payment terms are 100% within 30 (thirty) days on receipt and acceptance of material at our site in good condition.

## Annexure - A

### **TECHNICAL SMALL RNA SEQUENCING SPECIFICATIONS FOR SALIVARY EXOSOME SAMPLES**

1. Sample Input Requirements: Exosomes isolated from saliva will be provided. The RNA from exosomes will be extracted by the company and the necessary purity and concentration standards will be checked by the company.
2. RNA QC Report: Service provider should ensure quality assessments, such as RNA Integrity Number (RIN) scores, and should confirm sample integrity and suitability for miRNA analysis. The initial RNA quality and quantity report, including the concentration of the provided samples should be intimated to the principal investigator.
3. Sequencing Platform - Illumina NovaSeq X Plus or similar.
4. NGS Sequencing using 1x 75bp reads with generation of minimum 3-4 GB clean data (adaptor and low quality read removed)
5. Phred quality score Q30 for >85% of data
6. The procedure should include Library Preparation using the QIA seq miRNA or similar kit, Quality check and RNA Sequencing by Illumina NovaSeq X Plus or similar instrument.
7. Small RNA library preparation should be done using Illumina Truseq protocol.
8. Sequencing should be carried out using 1x75/1x50 base single End sequencing protocol on Illumina Platform.
9. Per sample approx 100 million small RNA reads for each sample, high quality Q30 data should be provided.
10. Both raw and processed data has to be provided.
11. Quality control checks:
  - a) Unusual base composition (expected approximately 25% for each base A, T, C and G)
  - b) Minimum Filtration Criteria (Quality should be more than the criteria provided, anything lesser should be removed).
  - c) Reads with Quality Score (Q) less than 30.
  - d) Reads with Unidentified base ('Ns') more than 20%.
  - e) Reads with PCR amplification bias/artifacts and adaptor sequence should be removed.
  - f) Poly-A/T tails should be trimmed.
12. Previous work experience or purchase orders for similar work are mandatory.
13. Minimum 5 Publications in peer reviewed journals for small RNA sequencing work should be provided.
14. Complete support up to publication level is required.
15. On-Site training for Bioinformatics must be provided for above analysis.
16. Sealed quotations (separately for technical bid & commercial bid) should be invited from service providers.
17. Raw data should be generated within 2 weeks after the samples pass the QC and the raw data should be shared in HOD or FTP along with an analysis report within 2 weeks after generating the data.
18. No extra cost should be charged from the institute for re-run of the RNA Sequencing samples, if generated data does not match the desired quality as per satisfaction of Principal Investigator.
19. Unused RNA samples must be returned.
20. Number of samples can be given in batches as per requirement of the project and management of sample transportation for every including shipment will be responsibility of service provider. This applies for repeat samples in case batch failure.
21. Price should be quoted per sample
22. Data Quality Control and Analysis: Post-sequencing quality control checks have to be conducted by service provider. Standard bioinformatics analyses, including miRNA identification, differential expression analysis, and pathway enrichment have to be provided.

### **Small RNA Analysis**

1. Adaptor Trimming: Data filtering and removal of adapter contamination and low quality reads.
2. Mapping & annotation of Known miRNAs.
3. Differential Expression levels between samples will be provided with heatmap, Volcano plots, M-A plots etc (All miRNA and Significant miRNAs @ P value-0.05).
4. Novel miRNA detected will be provided using mirDEEP2 or UEA sRNAwork bench.
5. Differential expression for novel miRNAs.
6. Statistics for other non-coding RNA: rRNAs, tRNAs, snRNAs, snoRNAs, polyN and other non-coding RNAs.
7. Target Analysis for Known miRNA identified.
8. Pathway analysis for the target genes identified.
9. If data does not fulfill the above detailed criteria, the data will not be accepted and payment will not be made.

### **Bioinformatics services which company has to provide:**

1. Filtration of reads for trimming adapter sequence and low- quality reads
2. Filtering non-coding RNAs other than miRNAs present in the dataset
3. Size selection of reads
4. Identification of known and novel miRNAs using Human reference genome sequence
5. 2-D secondary stem loop structures of candidate (novel) precursor miRNAs
6. miRNA quantification
7. Differential expression analysis of miRNAs
8. miRNA and mRNA co-expression network analysis
9. Heatmap for top differential expressed genes
10. Target prediction of known and novel/known miRNAs with in silico analysis
11. GO and Pathway analysis for target prediction of novel miRNA
12. Target annotation
13. Data Output files will be provided in standard and easy access formats such as FASTQ for raw data, and processed data may include count matrices and normalized counts for further analysis.
14. Technical Support: Comprehensive technical support should be available during and after completion of project for troubleshooting, data interpretation, and bioinformatics consultations upon request.