



icmr NITVAR
INDIAN COUNCIL OF MEDICAL RESEARCH | NATIONAL INSTITUTE OF TRANSLATIONAL VIROLOGY AND AIDS RESEARCH

राष्ट्रीय ट्रांसलेशनल वायरोलॉजी एवं एड्स अनुसंधान संस्थान
(भारतीय आयुर्विज्ञान अनुसंधान परिषद)
ICMR-NATIONAL INSTITUTE OF TRANSLATIONAL VIROLOGY AND AIDS RESEARCH
(INDIAN COUNCIL OF MEDICAL RESEARCH)

Quotation Enquiry

PP No: 0163/NITVAR-Purchase/2025-26

Date: 02/12/2025

Sales Quotations are invited on behalf of the the Director, ICMR-NITVAR, Pune for the following items for the mentioned quantities; along with the company profile and other documents and details asked below.

Sr No:	Item	Cat No.	Quantity	Pack Size
1	RNA Sequencing Service List of Specifications attached to the Enquiry as Annexure I	-	20	-

The quotation superscribed as '**Quotation for PP No. 0163** addressed to the Director,, ICMR - National Institute of Translational Virology and AIDS Research, 73-G, MIDC, Bhosari, Pune 411026, Post Box No. 1895 (Attention : Administrative Officer - Procurement Cell), should be either dropped at the reception of ICMR-NITVAR, Pune or sent through by speed post /Courier **latest by 15th of Dec, 2025 till 5:00pm in a sealed Envelop.**

Documents to be submitted along with the quotation & Technical Specification for Whole Transcriptomics:

- 1 Compliance to Terms and Conditions mentioned in the Annexure I and the Enquiry.
- 2 Firm Incorporation Certificate
- 3 GST Registration Certificate
- 4 MSME Registration Certificate
- 5 Escalation Matrix of the Firm
- 6 References/publications (2024-25) for Transcriptomics applications, along with acknowledgment letters from six prestigious scientists who have used similar services, as part of the quotation.
- 7 NABL & CAPS Certification of the Firm.
- 8 Documentary Proof of an in-house Genomics facility equipped with an Illumina NovaSeq X Plus and all required sample and library preparation infrastructure.
- 9 MII should be attached.
- 10 Authorization Letter if applicable [Pg No. 6]

Other Terms and Conditions:

- 1 This is an enquiry and must not be treated as order.
- 2 The ICMR-NITVAR Office reserves the right to accept or reject any or all applicant without assigning any reason

- 3 Any decision taken by the Director,, ICMR NITVAR at any point of time in connection with this process shall be final and conclusive and no claim or disputes from any quarter in that regard shall be entertained.
- 4 No advance payment will be made. The payment will be made on receipt of services availed and satisfactor report of the end user.
- 5 ICMR-NITVAR Pune will not be responsible for any delay for the receipt of the quotation.
- 6 Vendors are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.
- 7 To furnish supporting documentation in case of eligibility as an MSME.

Sh. H. H. H.
Administrative Officer,
ICMR - NITVAR, Pune

KSE
2-12-21

Specifications for total RNA sequencing service:**I. Parameters descriptions:**

Sr.No.	Project type	Total RNA sequencing
01	Organism	Human
02	Cell sample preparation	Cells washed with ice cold PBS 2-3 times
03	Sample Type	Cells in trizol
04	No. of Samples	20
05	RNA extractions required?	Yes
06	RNA quality control testing?	Yes
07	Ribo-depletion followed by directional library preparation	Yes. Ribo-depletion protocol should be carried out strictly
08	Library preparation	By bi-directional kit (Roche KAPA or NEB)
08	Sequencer	Illumina NovseqX Plus
09	Read length	2x150 bp
10	Data required (Total reads/Gb)	80 million reads per sample
11	Analysis required?	Yes
12	TAT (Turnaround time)	4-6 weeks

II. Bioinformatics Analysis/ Deliverables:

1. Genes expression values
2. GO annotation pathway information.
3. GSEA (Gene Set Enrichment Analysis)
4. Gene Ontology

5. Heatmap and Volcano plots
6. List of genes differentially expressed (In case of two or more samples exist per group)
7. List of 50 up & down regulated genes
8. Reference alignment metrics
9. Reactome Pathway analysis

III. Technical Specification for Whole Transcriptomics

1. Sample Preparation: Whole RNA extraction from cell line and it's QC with Agarose Gel Electrophoresis for sample integrity, Qubit, Nanodrop, Tapestation and whatever applicable for sample quantification.
2. Library Preparation should be done by Bidirectional Kit (Roche KAPA or NEB)
3. Ribodepletion protocol should be carried out
4. Sequencing: Using illumina NovaSeqX Plus with 2 X 150bp chemistry to generate~ 80 million reads per sample , Data should have >95% Q20 score or >90% Q30 score.
5. Data Analysis: Raw Data QC (Raw data FASTQ FastQC, Individual Raw data FASTQ FastQC), other data QC stats, Assembly, Annotation with latest build, Differential Gene Expression, GO analysis, Design of graphs, Pie-Charts, HeatMap's ,Integrative Analysis, lncRNA analysis and other appropriate representation of Data maintaining publication Standards.
6. Data Delivery:
 - Raw Data (indicating FASTA files) & other deliverables to be shared over a cloud link. Data should be delivered through FTP LINK and External Storage Media. To maintain data confidentiality , firm should not write in CD's and DVD's
 - References and publications citing for Transcriptomics applications should be attached for year 2024-25 and 6 prestigious scientists acknowledgment letter who have used similar services should be officially attached in quotation
 - Company must have NABL & CAPS certified (should be enclosed).
 - Establishment of firm: Firm should be established in India. Service Provider should provide proof of in-house facility of Genomics lab having Illumina NovaseqX plus machine and facilities required for sample and library preparation. Library preparation, sequencing and analysis should be done by the same company. Scientist will visit your facility, NGS lab. The company must have installation of Illumina NovaSeq X plus.

- Samples cannot be sent outside India in any case . MII should be attached
- Kindly provide valid Authorization letter along with offer.
- Only firms meeting the above mentioned condition will be considered eligible for further evaluation. Any vendor out-sourcing any part of the work will be disqualified.
- Data should be stored for a minimum of SIX months from the date of data shared with us.

IV. Logistic support for material transport:

- The transport of material from ICMR-NITVAR to the location of RNA sequencing service firm at specified temperature will be the sole responsibility of RNA sequencing service provider
- The leftover sample must be returned back to the ICMR-NITVAR with no extra cost

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ANNEXURE II

DISTRIBUTOR/DEALER AUTHORIZATION CERTIFICATE

The _____ A _____ is the authorized Dealer/Distributor of the _____ B _____ and has been authorized by _____ B _____ to supply/sale the _____ C _____ to the ICMR-NITVAR, Pune in response to the enquiry Ref No. _____ D _____ floated by ICMR-NITVAR, Pune. The validity of the Authorization is up to the following date _____.

Sign of the Competent Authority

Name of the Signing Authority

Designation of the Signing Authority

Kindly Note: In reference to the above format;

1. A: Registered Name of the Distributor/Dealer
2. B: Official Name of the OEM/OSP
3. C: Item Name and its catalog number.
4. D: Tender/Enquiry Ref No. (Eg. 1234/NITVAR PURCHASE/ 2024-25)

Mandatory Condition;

1. The Distributor Authorization Certificate has to be provided only on the Letter Head of the OEM/OSP.