



icmr | **NIRRCH**
INDIAN COUNCIL OF
MEDICAL RESEARCH | NATIONAL INSTITUTE FOR RESEARCH
IN REPRODUCTIVE AND CHILD HEALTH



आई सी एम आर – राष्ट्रीय प्रजनन एवं
बाल स्वास्थ्य अनुसंधान संस्थान
स्वास्थ्य अनुसंधान विभाग, स्वास्थ्य और परिवार
कल्याण मंत्रालय, भारत सरकार

ICMR-National Institute for Research in
Reproductive and Child Health
Department of Health Research, Ministry of Health
and Family Welfare, Government of India

No. NIRRCH/B/13015/13/2022-23/01

March 29, 2023

Tender for Transcriptome Sequencing Services – 04 Samples

Last Date: 18/04/2023 05:00PM

Sir / Madam,

The Institute is interested in the availing the services of **Transcriptome Sequencing for 04 Samples as per the details mentioned in specifications.** Interested capable firms may submit their tenders in a sealed cover, super-scribed with our tender number, due date and subject, so as to reach this Institute well before the above due date.

The tender document should be addressed to, “**The Director, ICMR – National Institute for Research in Reproductive and Child Health, Jehangir Merwanji Street, Parel, Mumbai – 400012**”

While submitting your tender, the terms and conditions specified overleaf may please be carefully observed. Tenders are liable to be ignored if any of these conditions are not complied with.

Sd/
DIRECTOR

Tender Id on CPP Portal: 2023_DoHR_705811

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Specifications for Transcriptome Sequencing Services

1. Technology to be used: Illumina HiSeq (150x2)/Next Seq (150x2)
2. Application: Transcriptome Sequencing
3. Sample Type: RNA to be extracted by the vendor from samples provided in Trizol
4. No of sample: **04** It should be noted that the starting RNA material will be of minimum yield [picogram(pg) to nanogram (ng)range].
5. Vendor Should Follow Below Specifications after Extraction
 - Estimation of yield by Qubit/ Fluorescent spectrophotometer
 - 260/280 Ratio: Above 2.0 and 260/230 Ratio: Above 1.0

Quality control should be done using Fluorometer and Automated gel electrophoresis system. Report of the same should be provided

7. Library Type: Transcriptome library
8. Library QC to be used for measuring the quality and quantity of the library before sequencing. Report on the same should be provided.
9. Ribodepletion for rRNA must be performed
10. Read Length and Data: 2X150bp; total 40-50 million reads per sample (6GB data/sample)
11. Bioinformatics analysis should include entire analysis as below
 - Primary Statistics report - QC results. Reference based assembly and to provide assembly statistics
 - Read statistics reports
 - Alignment statistics report
 - Gene/Transcript wise expression matrix across all samples
 - Gene/Transcript annotation results (Gene Ontology & Pathway)
 - DGE reports (Log2FC +/- 1 provided as standard threshold): Differential expression analysis, discovering splice junctions, alternative transcription start sites, rare and unique transcripts comparative profile amongst the sample have to be provided by the vendor.
 - Heat map (top 20 up/down regulated transcript) comparative profile amongst the sample.
 - Analysis of long non-coding RNA: lncRNA data output should be of high quality

12. Samples (Tissue, DNA or RNA etc.) should not be sent out of India.
13. Quotation should be on firm's letter head with GST Number, PAN Number and CST Number mentioned clearly.
14. Data should be delivered through secured server and HDD only. Data confidentiality to be maintained
15. Time lines to complete the project need to be specified clearly and should not exceed 6 weeks from receiving the samples.
16. Vendor should arrange the pick-up of samples from the institute and assure to maintain the required parameters of the sample under all conditions
17. It will be preferred if last 10 transcriptome sequencing work orders on Illumina from recognized government institute can be attached along with quotation including orders from NIRRCH

No. NIRRCH/ST/B/13015/13/2022-23/01

March 29, 2023

Tender for Transcriptome Sequencing Services – 04 Samples
Last Date: 18/04/2023 05:00PM

General Terms & Conditions

1. Tenders should reach ICMR-National Institute for Research in Reproductive and Child Health, Jehangir Merwanji Street, Parel, Mumbai 400012, Maharashtra before the prescribed date and time mentioned in the Tender. The tender not submitted as per the above prescribed manner will be treated as invalid.
2. The Tender envelope should be super scribed 'Tender for Laundry Services for ICMR – NIRRCH & Clinics. Tender Ref. No. NIRRCH/ST/B/13015/13/2022-23/01 dated March 29, 2023
3. All outstation tenders should be sent to so as to reach before the prescribed time limit. Late/delayed Tenders shall not be considered under any circumstances.
4. Tender should be accompanied with Earnest Money Deposit [EMD] for an amount of Rs. 3,000.00 to be submitted in the form of Demand Draft / Cash in favour of Director, ICMR – NIRRCH payable at Mumbai. EMD is refundable subject to compliance of the terms and conditions of the Tender. The offer without EMD would be summarily rejected.
5. The last date for receipt of tenders in NIRRCH is 18/04/2023 upto 05:00 PM
6. The successful tenderers will have to submit Security Deposit in the form of Demand Draft / Bank Guarantee in favour of Director, ICMR - NIRRCH, for Rs. 5,000.00 which will be retained till the completion of contract period, starting from date of award of the Contract. The Director reserves the right to exempt from said submission at discretion.
7. EMD of the successful Bidder will be forfeited if he / she fails to take up the Contract from the date of award or on refusing to accept the Contract.
8. Security Deposit is subjected to be forfeited, if the successful bidder fails to deliver services as per the requirement of the contract order.
10. The Director, ICMR - NIRRCH, reserves the right to call for break-up of the quotation if it is found necessary. Incomplete specifications offered by the tenderer(s) will not be considered and are liable to be rejected.
11. The offers should be kept valid for acceptance for a period up to 31st July 2023.
12. The payment will be arranged as per existing Government of India Rules and Regulations.
13. The prices quoted shall be firm for the duration of contract period. The

tendered price should be quoted as the basic cost, without taxes and duties which may be indicated separately.

14. Conditional offers will not be accepted and liable to be rejected without any further reference.

15. The Director, ICMR-National Institute for Research in Reproductive and Child Health (NIRRH), Mumbai reserves the rights to accept or reject any lowest tender in full or in part of any tender or all tenders without assigning any reasons and cancel the tender at any stage of the tender process.

16. No infrastructure, machineries, vehicles, will be provided by the ICMR-NIRRH. The interested agencies should have the requisite infrastructures machineries, vehicles, and qualified personnel.

17. ICMR-NIRRH reserves the right to cancel the contract agreement or to withhold the payment (which may be deemed fit according to situation) in the event of non-commencement or unsatisfactory performance of the work contract. In such eventuality the institute further reserves the right to get the work done from open market or through other agencies. In such cases, vendor/agency will be blacklisted for a period of 2 years from participating in such type of tender floated by the institute and their earnest money/security deposit will be forfeited.

18. The contract with the selected bidder shall be made initially for a period of one year. Successful bidder is bound to carry out the services as in the tender document at the same rates as quoted in the tender. The Contract / Purchase Order is valid for a period of one year w.e.f., date of issue.

19. The bidder/agency selected through this tender shall indemnify the institute against all other damages/charges and expenses for which the institute may be held liable to pay on account of the negligence of the bidder or his employees or any person under his control whether in respect of accident, injury to the person or damages to the property of any member of the public or any person or in executing the work or otherwise and against all claims and demands thereof.

20. If any information furnished by the bidder is found to be incorrect at any time, the contract is liable to be terminated without any notice and the security deposit is liable to be forfeited by the institute.

21. The bidder shall comply with the regulations /laws applicable and this Institute shall not be responsible for any litigation/default from agency side.

22. The successful bidder has to arrange for collection of the samples as per the requirement of the Department / Division of the Institute.

23. No escalation of rates quoted will be allowed during the period of contract. The agency will honor the Fall Clause in case it provides services at a reduced rate in any other establishment.

24. The agency/bidder shall not engage any sub-contractor or sublet/transfer the contract to any other agency/person in any manner.
 25. After due evaluation of the bid, Institute will award the contract to the responsive Bidder who has quoted the lowest average price for the services to be rendered.
 26. The Bidder should not have been banned / de-listed / black listed / debarred from business by Government of India or any State Governments of India.
 27. The Bidder shall bear all costs associated with the preparation and submission of his bid, and the Purchaser will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
 28. The successful bidder should undertake to extend the validity of the Bank Guarantee, if offered as security deposit and performance guarantee, in case, the tendered work is delayed beyond the validity period of the Bank Guarantee.
 29. Any of the disputes if arise between the Supplier/Tenderer and the NIRRH/ICMR shall be resolved by the sole arbitrator which will be appointed by mutual consent of both the parties thereof failing which one of the Director of other Institute of ICMR in Mumbai (NIIH or NIV) shall be appointed within 30 days from the date of cause of action of dispute and the award as may be given by the sole arbitrator shall be binding on both the parties within the Civil Jurisdiction of Hon'ble High Court of Bombay.
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