

NOTICE INVITING TENDER

DATE: 12.11.2024

The Director, Interactive Research School for Health Affairs (IRSHA), Bharati Vidyapeeth (Deemed to be University) (BVDU), Pune-Satara Road, Katraj-Dhankawadi, Pune - 411 043 invites Tenders from competent and experienced vendors for the purchase of “**Next Generation Sequencer (Qty: 1) and ELISpot cum plaque counter (Qty: 1)**” at IRSHA, BVDU, Pune. The interested bidders may download the tender document and other details from the website <https://www.bvuniversity.edu.in/irsha/> and submit completed Tender/Bid on or before 30.11.2024; 11.00 Hrs.

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY), PUNE
INTERACTIVE RESEARCH SCHOOL FOR HEALTH AFFAIRS (IRSHA)

Part I: SCHEDULE OF REQUIREMENTS

Technical Specifications for Next Generation Sequencer

Application: Clinical microbiology, infectious diseases, cancer genomics, and precision oncology, adventitious virus detection.

Technical Specification:

Throughput and Scalability

- a. Scalable from 10 to 500 Gb per run with a capacity for 100 million to 1.5 billion clusters in single end reads.
- b. Flexibility for 100 bp to 500 bp read lengths and sample multiplexing.

Sequencing Technology

Flow cell technology, integrated cluster generation, both single-end and paired-end sequencing, metagenomics, whole genomes, and transcriptomics, single-cell RNA-sequencing, support for diverse sequencing applications such as disease panels, variant analysis in DNA and RNA, etc. System must support custom and third-party panels.

Software

- The system must feature an onboard latest software for all types of NGS related analysis, including BCL conversion, mapping, alignment, sorting, duplicate marking, and variant calling, enabling without external data transfer
- Integrated data analysis with secure local/cloud storage options and compatibility with clinical and research bioinformatics workflows.
- Data evaluation and correction, integrated barcode reader for automated, high throughput plate labelling during acquisition, recovery system for data backup/recovery

Computer System

High-performance computing workstation, fully compatible with the selected NGS model.

Other requirements

1. Should support regulatory requirements including 21-CFR Part11.
2. Installation, validation, calibration and performance demonstration should be carried out at site and all necessary certificates should be provided.
3. All the necessary documents (IQ/OQ/PQ) and certification should be provided at the time of installation.
4. Reference material, starter kits and calibration reagents
5. One complete set of preventive maintenance kit
6. Required spares and accessories such as steady tables and chairs should be included
7. Compatible UPS and stabilizer should be provided.

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Power Requirement:

- Operation at 100/115/230 VAC and 50 or 60 Hz Maximum power: 1,500 watts

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Technical Specifications for ELISpot cum plaque counter

Application:

Colourless, single and multicolour colour, enzymatic and fluorescence spot detection for ELISPOT and virus plaque counting.

Technical Specification:

Stage:

Plate compatibility: Well Formats 384,96,48,24,12,6.

Optics: Should have motorized optical zoom and camera zoom for all plates with an Image resolution of 25-mega pixels

Light: Visible and four fluorescent LED light sources with blue, green, violet, red or more with matching excitation filters.

Imaging:

- a. Emission filters: 4-6 with the right combination that should allow multiple channels for multiple fluorophores in addition to that required for ELISPOT.
- b. Top and bottom illumination for white light imaging and luminescent flat light panel
- c. Automatically adjust image exposure during image acquisition

Scanning Features:

Scanning for white, transparent and clear plates, new custom plate set up configuration, plate naming (auto, manual, auto and bar code), adjustable scanning for region of interest and automatic exposure during image acquisition, well centring mode, application specific adjustments of exposure, live preview and single snapshot features, light source control.

Computer System

High-performance latest computing workstation, fully compatible with the selected acquisition and analysis software and software for hardware operations.

Software

The system must feature an onboard latest software to count and analyse colourless, colour and fluorescence spots for above mentioned application.

Power Requirement:

- Operation at 100/115/230 VAC and 50 or 60 Hz Maximum power: 1,500 watts

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Other requirements

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Part-II: TERMS & CONDITIONS

IMP Note:

- a) **These Terms & Conditions may be downloaded and a copy of the same, duly signed by the tenderer must accompany each tender. Otherwise, the tender will not be considered.**
- b) **The terms & conditions mentioned below shall be binding to the tenderer and no other terms and conditions of the tenderers shall be accepted by Interactive Research School for Health Affairs (IRSHA), Bharati Vidyapeeth (Deemed to be University) (BVDU). No correspondence in this regard will be entertained.**

1) Tenderers are requested to give detailed tender **separately** in their **own forms** under **Two Bid System (Technical Bid and Commercial Bid)**.

2) Submission and Opening of Bids

- (a) Place for submission of bid: Interactive Research School for Health Affairs (IRSHA), Bharati Vidyapeeth (Deemed to be University), Pune – 411043.
- (b) Date and Time for submission of bid: **before 30/11/2024, 11.00 hrs.**
- (c) The envelope should be superscribed **“Tender for Next Generation Sequencer OR ELISpot cum plaque counter; due on 30/11/2024** and to be submitted to the address given below so as to reach before due date & time.

The Director

Interactive Research School for Health Affairs (IRSHA), Bharati Vidyapeeth (Deemed to be University), Pune – 411043 (India)

Bidders full address should also be indicated on the envelope.

- (d) IRSHA will not be responsible:
 1. For delayed/late bids submitted/sent by post/courier etc.
 2. For non receipt of bids at proper place.
 3. Any bid received by IRSHA, BVDU after the due date and time will not be accepted/considered under any circumstances.
- (e) Opening of bids: The Technical Bid may be opened in front of the Tenderers. Once the Tenders are opened, they will be filled and the same will be sent to the end-users for technical evaluation. Once the Technical Evaluation from end-user is received it is placed before Institutional Technical Committee for Evaluation. Opening of commercial bids of technically qualified tenders is done in front of the technically qualified bidders. Comparative/Commitment Statement is prepared & Financial concurrence is obtained from Accounts Section.

- 3) **EARNEST MONEY DEPOSIT (EMD):** An Earnest Money Deposit (EMD) of approximate 2% of the cost should be furnished along with the tender in the form of Demand Draft from a scheduled Bank drawn in favor of the Director, Interactive Research School for Health Affairs, Pune payable at State Bank of India, Katraj Branch. Offers, if received without EMD will summarily be rejected. EMD of successful bidder will be adjusted along with the security deposit during the purchase only after installation, commissioning, satisfactory demonstration, training, and acceptance by the end user of this institute. The Earnest Money of unsuccessful

bidder whose technical bid has not been found suitable will be returned after receipt of Technical Committee recommendations. Such bidders will have to furnish a request letter for refund of their EMD along with a Pre-receipt, duly signed on a revenue stamp of one rupee by an authorized signatory. **EMDs that remain unclaimed for consecutive three financial years will be forfeited. No interest shall be payable on Bid Security/EMD/Security Deposit.**

- 4) The tenders must be clearly written or typed without any cancellations / corrections or overwriting. If there exists a difference in the amount quoted in words and numeric the lowest of them will be taken as the tender amount.
- 5) The Bid should accompany with complete specification, Manufacturer's name, address and relevant Literature / Brochures with Warranty terms & an undertaking that the bidder agrees to give a security deposit etc.
- 6) In the case of Foreign Quote, the address of Principal's / Manufacturer's and their Banker's details should be furnished. The mode of dispatch should be by Air Post Parcel/Ocean Freight/Air Freight (on competitive rates) and on Freight to-pay basis only. The approximate dimensions of the packages and weight of the consignment are to be indicated.
The principal supplier should clearly indicate the address of the Indian Agent and percentage (%) of Agency Commission payable if any, to be paid to them directly in Indian Currency, which will be paid after the receipt of consignment in good condition, satisfactory installation, commissioning and training of the ordered equipment.
- 7) The bidder who submits the tender on behalf of their principals should produce documentary evidence in support of their authority to quote or submit proforma invoice of their principals.
- 8) The make / brand and name and address of the manufacturer, Country of Origin, Country of Shipment, and currency in which rates quoted are to be mentioned.
- 9) Details regarding terms of payment must be mentioned clearly.
- 10) Indicate the names of the reputed Indian Organizations where similar equipment was supplied and may attach the satisfactory performance report of the equipment from user Organization and the price finally paid.
- 11) Based on the above information IRSHA, BVDU will have its option to obtain details of the goods, their performance, after sales services etc. for evaluation of the tender, directly from the concerned Labs. /Scientist etc.
- 12) The Tenderer is required to furnish the Permanent Account Number (PAN) allotted by Income Tax Department. If registered with the National Small Industries Corporation, the registration number, purpose of registration and the validity period of registration etc. should also be provided in the offer/bid.
- 13) The Tenderer has to state in detail the Electrical Power/UPS requirements, floor Space, head room, foundation needed and also to state whether Air-conditioned environment is

needed to house the system etc. and to run the tests. i.e., pre-installation facilities required for installation in the bid.

- 14) Cost of the items should be mentioned clearly in the Offer like: -
 - a) The optional and any other essential items / accessories required for the maintenance of the equipment for the next **one year** should also be specified in the offer separately.
 - b) Packing, Forwarding, Freight & Insurance and Commissioning Charges, if any extra, may be quoted separately in the Bid.
 - c) In case if the quote is F.O.R./F.O.B. basis, estimated insurance coverage charges may please be indicated.
 - d) CIF value both by Airfreight and Ocean freight.
 - e) The actual Tax Percentage if any should be specified clearly.
- 15) Discount offered should also be mentioned clearly in the bid.
- 16) All bank charges inside India to IRSHA, BVDU account and outside India to Beneficiary's account.
- 17) The Tenderer's conditions printed on the tender or otherwise sent along with the tender shall not be binding on IRSHA, BVDU.
- 18) A) Depending upon the value and foreign exchange regulations the payment can also be made through FDD/Wire Transfer through State Bank of India for the order value excluding the Indian Agency Commission.
B) PAYMENT: No advance payment is allowed under any circumstances. 100% payment will be released by wire transfer/FDD through the State Bank of India, Katraj Branch, Pune after receipt of the material, completion of satisfactory installation, commissioning, demonstration and training of the whole system.
- 19) Supply means, "Supply, Installation, Commissioning, demonstration of the whole system and training on the site as desired by this Institute". If any charges extra for Installation, Commissioning, and training, the same should be specified in the offer. Goods should be insured against theft/loss/breakage/damage during transit and insurance charges should not exceed 3% of the cost of the materials supplied.
- 20) The items should be supplied with manuals and the manuals including technical drawings should be complete in all respects to operate the system without any problem. If the manuals are on a chargeable basis, the same should be specified in the offer.
- 21) (A) In case of Indigenous Items, the offer should contain the Basic Price and percentage of Excise Duty and should be shown separately
 - a) The University, Bharati Vidyapeeth (Deemed to be University) is registered with Department of Scientific & Industrial Research (DSIR) in terms of Govt. notification no. 51/96 customs.
 - b) IRSHA, Pune is affiliated to this University. IRSHA is exempted from Customs duty and GST.

- 22) **(A) Performance Security/Security Deposit:** The successful bidder shall furnish an unconditional Performance Security in the form of an Account Payee Demand Draft/Fixed Deposit Receipt/Bank Guarantee from a commercial scheduled bank for 10% or higher (as may be decided by the Competent Authority) of the order value within 15 days of placement of the order. **An undertaking that the bidder agrees to give security deposit/performance bank guarantee must be submitted with the bid, failing which the bid shall not be considered.** If the bidder fails to submit the Performance Security as mentioned above, the Contract shall be deemed as terminated and the order will be placed with any other bidder. Performance Security should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including warranty obligations. **No interest is payable on the Performance Security.**
- (B) For Indigenous items, 100% payment shall be made after 30-45 days of satisfactory supply, installation, commissioning, testing and training as per Purchase Order at site.
- 23) **Delivery Period:** As time is the essence of the contract, delivery period mentioned in the Purchase Order should be strictly adhered to, otherwise the Security Deposit furnished by the tenderer will be forfeited and LD clause will be applicable/enforceable.
- 24) **INSTALLATION:** The Bidder shall be responsible for installation, commissioning, demonstration, training etc. and for after sales service during the warranty and thereafter. Installation, demonstration to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the goods at site and subsequently training is to be provided to the concerned officials of this institute.
- 25) After successful installation what will be the minimum down time of equipment/instrument in case of breakdown must be mentioned. If the identified firm or person fails to put the system into working condition the further alternative course of action should be suggested adhering to minimum down time.
- 26) **Period of validity of bids:** The bid should be valid/kept open for 3 months from the date of opening of the bid. Further, if extension of validity would be required in future, the bidder should extend the validity only and no other modifications shall be permitted.
- 27) **Amalgamation/Acquisition:** In the event the Manufacturer/Supplier proposes for amalgamation, acquisition or sale of its business to any firm during the contract period, the Buyer/Successor of the Principal Company are liable for execution of the contract and also fulfillment of contractual obligations i.e., supply, installation, commissioning, warranty, maintenance/replacement of spares accessories etc. while submitting your bid, you may confirm this condition.
- 28) **IRSHA, BVDU** will not provide any accommodation/ transportation for the Engineers/ Representatives for attending Installation, Commissioning, Demonstration, training etc. It is the absolute responsibility of the Principal Supplier/Indian Agent to make their own arrangements.

- 29) No sub-contracting will be allowed for installation or maintaining system/equipment / instrument during or after warranty period.
- 30) **Tenders submitted without following the below given processes** will be summarily rejected.
- (a) Late/Unsigned/Incomplete Tenders.
 - (b) Conditional Offers.
 - (c) Tenders submitted by Fax / E-mail / Telegraphic
 - (d) Tenders, not accompanied an undertaking that the bidder agrees to give Security Deposit/Performance Bank Guarantee,
- 31) **Penalty for delayed Services/LD:** If the supplier fails to Supply, Install, Commission and Training for the system as per the specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of one percent of order value per every week of delay subject to a maximum of 10% beyond the due date and such money will be deducted from any money due or which may become due to the supplier. IRSHA, BVDU reserves the right to cancel the order in case the delay is more than 10 weeks. Penalties, if any, will be deducted from the Security Deposit.
- 32) Goods should not be dispatched until the Vendor receives a firm order.
- 33) Please indicate page numbers and put your seal on all pages of quotation.
- 34) The purpose of certain specific conditions is to get or procure best Equipment/service etc. for IRSHA, BVDU. The opinion of Technical Committee shall be guiding factor for Technical short listing.
- 35) Firms, which have earlier supplied similar equipment to IRSHA, BVDU and have not completed required installation/commissioning/after sales service/warranty replacements etc. will not be considered for further evaluation and no enquiries thereafter will be entertained.
- 36) **Interpretation of the clauses in the Tender Document/Contract Document:** In case of any ambiguity / dispute in the interpretation of any of the clauses in this Tender Document, **Director, IRSHA, BVDU interpretation of the clauses shall be final and binding on all parties.**
- 37) All disputes are subject to exclusive jurisdiction of Competent Court and Forum in Pune, India only.
- 38) The Director, IRSHA, BVDU, Pune reserves all the rights to accept or reject any/all tender in full or in part without assigning any reason.
- 39) **Maintenance Contract/ training**
- The following conditions are included in the annual maintenance contract: -
- a) **1 years comprehensive warranty and 2 years non comprehensive services for equipment free of cost.**

- b) Provide 4 preventive maintenance visits per year and also all the breakdown calls as and when required.
 - c) The duration of warranty period will start after proper installation of the equipment and submitting users satisfactory report.
 - d) 0.1% of FOB as penalty per week till the warranty period if the instrument remains in nonworking condition for more than 18 days.
 - e) When the equipment is under warranty/comprehensive maintenance, it would be the responsibility of the manufacturer/dealer/agent to procure spare parts and the Institute will not incur any expense on duty, octroi or handling charges.
 - f) The detailed circuit diagram along with trouble shooting procedure and operational manual would be provided to the Institute/Centre along with the equipment.
 - g) Onsite training to the users after installation is to be given.
- 40) "The supplier should submit the **IQ OQ/IQ PQ (Installation Qualification-Operational Qualification / Installation Qualification-Performance Qualification)** certificate along with **calibration certificate** after successfully completion of installation and testing of equipment / installation".

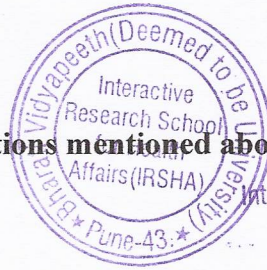
I/We agree to abide by all the Terms & Conditions mentioned above.


Signature of the Tenderer

Date:

Name & Address of the Firm with Seal:

(Phone/Fax No./E-mail id may also be stated for easy communication)




DIRECTOR
IRSHA, BVDU
Director
Bharati Vidyapeeth
(Deemed to be University)
Interactive Research School for Health Affairs (IRSHA)
Pune-Satara Road, Pune - 411 043.

Part-III: CHECKLIST

Bidders should indicate whether the following are enclosed with the offer.

1. EMD (YES/NO)
2. Undertaking that the bidder agrees to give a Security Deposit and Performance Bank Guarantee for 10% of order value. (YES/NO)
3. Authorization letter from Principals. (YES/NO)
4. Self-Attested copy of Tax Registration certificate (GST etc) as applicable (YES/NO)
5. Agreements / Purchase orders, if any, from the clients for whom similar supply has been made by the bidder in the last three years. (YES/NO)
6. Copy of ISO 9002 or equivalent Certificate if any. (YES/NO)
7. Compliance sheet with any deviation with reference to the terms and specifications. This should be furnished compulsorily. (YES/NO)
8. Acceptance of IRSHA, Cargo Agent (YES/NO)
9. LD clause agreeable. (YES/NO)
10. Amalgamation/Acquisition: Successor agreeable to fulfill the contractual obligation. (YES/NO)
11. Free replacements during warranty period (YES/NO)
12. Payment terms of IRSHA, acceptable (YES/NO)
13. Warranty clause of IRSHA, acceptable (YES/NO)
14. IQ/OQ/PQ Certificate acceptable (YES/NO)
15. Calibration Certificate acceptable (YES/NO)