



RAMAKRISHNA MISSION
VIVEKANANDA CENTENARY COLLEGE
(An Autonomous College under West Bengal State University)
P.O. RAHARA, KOLKATA-700118
WEST BENGAL, INDIA

Accredited by NAAC with Grade A++

Phone: 2568-2049

Email: rkmvccollege@rkmvccrahara.org

Web: www.rkmvccrahara.org

Subject: Inviting comments/objections (if any) regarding procurement of Sanger Sequencer (4-Capillary Genetic Analyzer Platform) on Proprietary Basis

The Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, proposes to procure a Sanger Sequencer (SeqStudio™ Genetic Analyzer System with SmartStart, Make: Applied Biosystems™) for research and academic purposes.

The proposed equipment is proprietary in nature and is proposed to be procured under the provisions of the General Financial Rules (GFR-166) through the authorized supplier **M/s BIOAPPS**, 484, Ground, MAHAMAYA, Dum Dum Park, Kolkata – 700055, West Bengal, INDIA, based on the enclosed Proprietary Article Certificate (PAC) issued by the manufacturer and the quotation submitted by the vendor.

The relevant documents, including the PAC and quotation, are being uploaded/published for open information. Any manufacturer, supplier, or authorized distributor having objections/comments regarding the proprietary nature of the proposed procurement may submit the same along with supporting documentary evidence within 15 days from the date of publication of this notice.

Comments/objections, if any, should clearly establish the availability of an equivalent product meeting the required technical specifications and should be addressed to:

The Principal / Purchase Committee

Ramakrishna Mission Vivekananda Centenary College

Rahara, Kolkata – 700118, West Bengal

Email: rkmvccollege@rkmvccrahara.org


Last date for submission of comments/objections: 25. 06. 2026 (up to 5:00 PM).

In the absence of any comments/objections within the stipulated period, it shall be presumed that no other manufacturer/vendor has any objection to the proposed proprietary procurement, and the purchase process will be finalized as per institutional rules and regulations.

Enclosures:

1. Proprietary Article Certificate (PAC)
2. Quotation submitted by M/s BioApps
3. Technical Specifications of the Equipment

Signature


Principal
Ramakrishna Mission
Vivekananda Centenary College
Rahara, Kolkata-700 118

(Authorized Signatory)

Ramakrishna Mission Vivekananda Centenary College

Proprietary Article Certificate (GFR 166)

As per Rule 166 GFR 2017-

Single Tender Enquiry- Procurement from a single source may be resorted to in the following circumstances: -

- i. It is in the knowledge of the user department that only a particular firm is the manufacturer of the required Goods.
- ii. In a case of emergency, the required goods are necessarily to be purchased from a particular source and the reason for such decision is to be recorded and approval of competent authority obtained.
- iii. For standardisation of machinery or spare parts to be compatible to the existing sets of equipment (on the advice of a competent technical expert and approved by the competent authority), the required item is to be purchased only from a selected firm.

Note: Proprietary Article Certificate in the following form is to be provided by the Ministry/Department before procuring the goods from a single source under the provision of sub Rule 166 (i) and 166 (iii) as applicable.

- (i) The indented goods are manufactured by M/s.....ThermoFisher scientific.....
- (ii) No other make or model is acceptable for the following reasons: Proprietary features mentioned in PAC and specification attached.
- (iii) Concurrence of finance wing to the proposal vide:
- (iv) Approval of the competent authority vide:

It is certified that if any challenge/issue/complaint arises in view of this item on proprietary basis at any stage. I AJOY MALLIK..... (Name) will be fully liable/ responsible for the purchase.

Ajoy Mallik
08/06/2026
(Signature with date)

Designation of the indenting officer)

Dr. Ajoy Mallik
Assistant Professor
Department of Zoology
Ramakrishna Mission Vivekananda Centenary College
Rahara, Kol-700118

Su. K...
Signature, Principal
Principal
Ramakrishna Mission
Vivekananda Centenary College
Rahara, Kolkata-700 118

Specifications required for Sanger Sequencer (4-Capillary Genetic Analyzer Platform)

1. Instrument should be fully automated 4-capillary, fluorescence-based genetic analysis system to process multiple samples in single run with the validated capability to detect and analyze sequencing and simultaneously for DNA fragment analysis data.
2. Instrument should be a bench top instrument to support various applications like: Genomic Sequencing, de-novo/re-sequencing, Gene Expression, Targeted Sequencing (Variant Validation) and Microbial Identification, MSI, Fragment analysis applications.
3. System should be provided with one universal polymer and one array feature for sequencing and fragment analysis to enable both the applications on the same plate with walk away automation.
4. The system should use all-in-one integrated cartridge which includes polymer, capillary arrays, and buffer for ease of use and minimize instrument setup and maintenance. The Integrated cartridge should have on instrument shelf life of 6 months or more and should be able to perform 250 injection/ 1000 samples run without further replenishment and maintenance.
5. The system software should support to run sequencing and fragment analysis application on the same plate.
6. The system should use RFID for tracking and reporting of the consumables with no requirement of an external barcode reader.
7. The system should be stand-alone instrument with touch screen interface for computer independent operation. The system touch screen should have functionality to create and run protocols; load run files from USB or an online ecosystem; to designate destination of run files to the USB port or an online ecosystem; pause and resume the run in progress and allow users to edit sample and target assignments.
8. The system should be compatible with 96-well standard plate and standard 8-tube strips.
9. System should have Autocalibration feature utilizing sample-specific spectral data and does not require calibration every time capillary cartridge changed onto the system.
10. System should be enabled for remote monitoring via a mobile device or networked device & remote troubleshooting allows for remote monitoring and data visualization for faster resolution.
11. System should have Flexible connectivity via Local Area Network (LAN), Wi-Fi, USB, and is LIMS compatible. System should be able to Connect Platform with cloud-enabled capability. System should be enabled for remote monitoring via a mobile device or networked device & remote troubleshooting allows for remote monitoring and data visualization for faster resolution.
12. The system should contain on-board storage capability with memory capacity of 128GB for storing approximately 3,500 injections data or 14,000 reactions.
13. The system software should be designed with a touchscreen software interface for instrument control to regulate the functions of the instrument, automatically perform primary analysis (i.e., base calling and/or fragment sizing) and provide functionality for realtime data assessment as well as the ability to generate quality control reports.
14. The system should generate high-quality sequencing reads of at least 800–1000 bp with QV20 performance as specified by the manufacturer.

Ajoy Mallik

Dr. Ajoy Mallik

*Assistant Professor
Department of Zoology*

Ramakrishna Mission Vivekananda Centenary College
Rahara, Kol-700118

Suman Bedanuragananda
8.6.2016.

Coordinator

**Department of Zoology
Ramakrishna Mission**

Vivekananda Centenary College
Rahara, Kolkata-700118

15. The system should provide $\geq 99.9\%$ base-calling accuracy under recommended operating conditions.
16. The system should export data in standard formats including .abl, .fsa and other widely accepted formats for downstream analysis.
17. The system should come with specific secondary analysis software provided by the same manufacturer for reference-based and non-reference-based analysis to call SNP's, insertions, and deletions. resequencing, mutation detection and analysis, SNP discovery and validation, allele identification and subtyping, minor variant detection & Genotyping, STR analysis.
18. The vendor must supply software's along with the instrument in the area of de novo, comparative sequencing, Long Read Sequencing and Resequencing, Minor variant finding software, fragment analysis applications like Microsatellite, SSCP, HMA (Heteroduplex Mobility Assay), Linkage analysis, LOH (Loss of Heterozygosity), SSCP, SNP validation and screening, Micosatellite Instability (MSI) Analysis, Bacterial identification, Gene edit confiramation, NGS confirmation.
19. The vendor should provide details of power requirements, environmental conditions, and laboratory installation requirements.
20. The manufacturer should have fully functional lab within the region for providing the efficient after sales and service support.
21. Vendor should have experienced Support & Service Teams within India who have demonstrated in managing similar customer's requirements with in-depth technical expertise.
22. Vendor shall provide Installation Qualification (IQ), Operational Qualification (OQ), and Performance Qualification (PQ) documents wherever applicable.

Ajoy Mallik

Dr. Ajoy Mallik

*Assistant Professor
Department of Zoology*

Ramakrishna Mission Vivekananda Centenary College
Rahara, Kol-700118

*Swami Vedamurugananda
4.8.6.2026.*

Coordinator

**Department of Zoology
Ramakrishna Mission
Vivekananda Centenary College
Rahara, Kolkata-700118**

Su. Konda

Principal

**Ramakrishna Mission
Vivekananda Centenary College
Rahara, Kolkata-700118**



The best way to find yourself is to lose yourself in the service of others.

Quotation

No: BIOAPPS/RKM-RAHARA/2026-2027/153-30052026

Date: 30.05.2026

To

The Principal

Ramakrishna Mission Vivekananda Centenary College, Rahara

P.O.: Rahara, Dist.: North 24 Parganas

Kolkata - 700118, W. B., India

Validity: 30 days

Sl. No.	Catalogue Information	Technical Descriptions	QTY	Customer Price (Indian ₹)
1.	Part No.: A34274 Make: Thermo/ABI	SEQSTUDIO GENETIC ANALYZER EACH Key features <ul style="list-style-type: none">• Integrated cartridge for minimal hands-on time (polymer, array, pump, anode buffer—all in one unit), helps reduce human error• Sanger sequencing and fragment analysis on the same run• Interactive touch screen with easy-to-use interface• Auto-calibration (no spatial or pre-run spectral calibration required)• Wi-Fi or LAN connectivity• Web-enabled remote monitoring capability• Tracking of consumables usage Instrument specifications <ul style="list-style-type: none">• Number of capillaries 4• Number of dyes 6• Sample format 96-well standard plate and standard 8-tube strips Applications Sanger sequencing (resequencing NGS)	01	45,60,000.00



**BIOAPPS, 484, Ground, MAHAMAYA, Dum Dum Park,
Kolkata - 700055, West Bengal, INDIA
E-MAIL - bioapps@hotmail.com, Mob: +91 9830532745**



The best way to find yourself is to lose yourself in the service of others.

		<p>confirmation, indels; heterozygote detection; minor variant detection) Fragment analysis (microsatellite analysis, compatible with MLPA™, Applied Biosystems™ SNaPshot™ applications, cell line authentication)</p> <ul style="list-style-type: none"> • Dimensions: 49.5 x 64.8 x 44.2 cm (W x D x H) • Weight 45.4 kg • Power input 100-240 V • On-instrument memory 128 GB, approximately 3,500 injections or 14,000 reactions • On-instrument tracking RFID (radio-frequency identification) • Connectivity Wi-Fi and RJ-45 Ethernet ports • Configuration Stand-alone, optional desktop or laptop computer 		
2.	Part No.: A34272	SeqStudio™ Desktop w/24in Monitor	01	INCLUDED
3.	Part No.: A35000	SEQSTUDIO STARTER KIT EA	01	INCLUDED
4.	Part No.: A38073	SANGER SEQUENCING KIT 1	01	INCLUDED
5.	Part No.: A34684	SMARTSTART TRAINING-SEQSTUDIO	01	INCLUDED
6.	Part No.: 4443764	SW-SEQA- SS- VR- & GM (W ROYALTY)	01	INCLUDED
5.	NPN-1	Suitable UPS	01	INCLUDED
Net Ex Works Value				45,60,000.00
Sales Tax (GST@ 18%)				8,20,800.00
Total F.O.R Destination Price for "RKM-RAHARA" (Including of Taxes)				53,80,800.00
Rounded Off				53,80,800.00
Amount in words: Indian ₹ Fifty Three Lakhs Eighty Thousand Eight Hundred only				

Note 1: Manufacturer reserves the right to change the Part Number and/or Delivery Schedule without prior notice

**BIOAPPS, 484, Ground, MAHAMAYA, Dum Dum Park,
 Kolkata – 700055, West Bengal, INDIA
 E-MAIL – bioapps@hotmail.com, Mob: +91 9830532745**



The best way to find yourself is to lose yourself in the service of others.

Terms and Condition:

- ❖ **Payment Terms:** Immediately after Delivery.
- ❖ Taxes, **GST@18%**, included along with the offer
- ❖ **Order shall be placed in favor:**
BIOAPPS
484, Ground, MAHAMAYA, Dum Dum Park,
Kolkata - 700055
West Bengal, INDIA
- ❖ **Bank Details:**
Name of the Bank: INDIAN OVERSEAS BANK
456, Dum Dum Park, Branch Code.0621
A/C No. 062102000002156
IFSC CODE for RTGS: IOBA0000621
MICR 700020018
- ❖ **PAN Number:** AAMFB8169K
- ❖ **GST Number:** 19AAMFB8169K1ZP
- ❖ **E-Trade License Certificate No.:** 0917P563724159885
- ❖ **Price:** Prices quoted are inclusive of taxes & F.O.R. Destination.
- ❖ Prices include Freight, Insurance and Installation Charges.
- ❖ **Delivery period:** Product will be delivered within 06-08 weeks after receiving of valid purchase order.
- ❖ **Warranty:** 1 Year standard warranty + 2 Years Extended Warranty.

Thanking you and looking forward to receive your valued order at the earliest
In case of any query please feel free to contact us.



Date: 30-05-2026

Place: Kolkata

Signature of the Quotationer

Name: Mr. SANDIP PAL

Designation: PARTNER

Contact: +91 9830532745

For and on behalf of BIOAPPS

Address: 484, Ground, MAHAMAYA, Dum Dum
Park, Kolkata - 700055, West Bengal, INDIA

BIOAPPS, 484, Ground, MAHAMAYA, Dum Dum Park,
Kolkata - 700055, West Bengal, INDIA
E-MAIL - bioapps@hotmail.com, Mob: +91 9830532745

ThermoFisher SCIENTIFIC

The world leader in serving science

Date 03/06/2026

To
The Principal
Ramakrishna Mission Vivekananda Centenary College, Rahara
P.O.: Rahara, Dist.: North 24 Parganas
Kolkata 700118, W. B., India

CAT # PROPRIETARY CERTIFICATE

Dear Sir,

This is to certify that the product/s described below with specific SKU No. / Cat No. is/ are unique to Invitrogen Bio services India Private Limited (affiliate of Thermo Fisher Scientific Inc.):

Sl. No.	SKU	Description
1	A34274	SEQSTUDIO GENETIC ANALYZER
2	A34272	SEQSTUDIO DESKTOP
3	A35000	SEQSTUDIO STARTER KIT
4	4443764	SW,SEQA, SS, VR, & GM
5	A38073	SANGER SEQUENCING KIT
6	A34684	SMARTSTART TRAINING-SEQSTUDIO

Yours faithfully,
For Invitrogen BioServices India Pvt. Ltd.,

Sharad Dutta

Authorized Signatory

Signature: *Sharad Dutta*

Electronically signed by: Sharad Dutta
Reason: Approver of the Non-GxP document
Date: Jun 5, 2026 18:19:04 GMT+5.5

Email: sharad.dutta@thermofisher.com

Registered Office:
Invitrogen BioServices India Pvt. Ltd
2nd Floor, First Technology Place, 3 EPIP Whitefield, Bangalore 560 066
T+91 80 41785401, 41785400, F+ 91 80 41680430, 41259423
www.thermofisher.com CIN: U73100KA2004PTC035330

To
The Principal
Ramakrishna Mission Vivekananda Centenary College, Rahara
P.O.: Rahara, Dist.: North 24 Parganas
Kolkata 700118, W. B., India

Sub: Authorization Letter in respect of invitations to tender issued by RMVCC, WB
Ref. Quote No. BIOAPPS/RKM Rahara/2026-2027/QTN 153 30052026 Date: 30.05.2026

Dear Sir/Madam,

We, Invitrogen BioServices India Pvt. Ltd, having its registered office at Second Floor, First Technology Place, 3EPIP, Whitefield Bengaluru, Karnataka 560066 are the Importer and Supplier of reagents/consumables /instruments under Applied Biosystems / Invitrogen / Thermo Scientific brand names, do hereby authorize **M/s. Bioapps (Distributor)**, having principal place of business located at **484, Ground Floor, Mahamaya, Dumdum Park, Kolkata, 24 PGS (N) , West Bengal, 700055** to participate into tender, submit quotes, collect the orders and supply of reagents/consumables under Applied Biosystems / Invitrogen / Thermo Scientific brand names in respect of **Quote No. BIOAPPS/BBCI – GHY/2025-2026/QTN – 1131 – 25022026**
Date: 25.02.2026:

SKU	Product	COO
A34274	SEQSTUDIO GENETIC ANALYZER	Singapore
A34272	SEQSTUDIO DESKTOP	Mexico
A35000	SEQSTUDIO STARTER KIT	US
4443764	SW,SEQA, SS, VR, & GM	US
A38073	SANGER SEQUENCING KIT	US
A34684	SMARTSTART TRAINING-SEQSTUDIO	US

M/s. Bioapps hereinafter also referred to as the Authorized Distributor, to directly accept orders for supply, make supply, invoice for such supplies made and collect the payment thereof.

The Authorized Distributor is liable to comply with all applicable laws including foreign laws, regulations, Tender Terms and Conditions and policies of Thermo Fisher Scientific Inc. It shall indemnify Thermo Fisher Scientific Inc and its affiliates in case of any claims, losses, penalties, litigation fees, damages caused by breach of the terms of this letter or Distribution Agreement. Authorized Distributor shall apply for any preference under the MSME Clause as per his status and Certification.

Authorized Distributor acknowledges that the provision by Company of products (including components and spare parts), software, services (including warranty services), technology or intellectual property, including technical information supplied by Company or contained in documents (collectively Items), is subject to applicable export controls of the U.S. government and other jurisdictions, including but not limited to the European Union. These controls may require Company or Authorized Distributor to first obtain a license (or similar requirement) from the relevant authority, or regulatory body. Company shall not be liable to Authorized Distributor for any delay or failure to obtain the necessary licenses or approvals. Authorized Distributor shall comply with all applicable export laws and regulations. Authorized Distributor shall not, without first obtaining from the relevant authority or regulatory body any license required to do so lawfully, export or re-export any Item (either directly or indirectly), to: (i) any restricted or embargoed country

Registered Office:

Invitrogen BioServices India Pvt. Ltd
2nd Floor, First Technology Place, 3 EPIP Whitefield, Bangalore 560 066
T+91 80 41785401, 41785400, F+ 91 80 41680430, 41259423
www.thermofisher.com CIN: U73100KA2004PTC035330

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or any person or organization whose privilege to participate in exports has been denied or restricted by the applicable authority; or (ii) any person or organization who is involved in improper development or use of nuclear weapons, or of chemical/biological weapons (CBW) or missiles, or in terrorist activities. Authorized Distributor agrees not to use any supplied Item in restricted or prohibited activities such as nuclear explosives, unsafeguarded nuclear activities, chemical or biological weapons development, restricted rocket systems, or military purposes. Authorized Distributor will, on request (i) promptly provide written information correctly identifying the end user and end use of any Items (including any information as it may relate to a subsequent transfer of such Items by Authorized Distributor); and (ii) cooperate fully with Company in any official or unofficial audit or inspection arising in respect of the Items under applicable export or import control laws or regulations. Authorized Distributor will ensure that the customers and end users to whom Authorized Distributor re-sells or transfers the Items agree in writing to the provisions of this Section and Authorized Distributor covenants to use its best efforts to enforce such provisions against customers and end users. Authorized Distributor shall indemnify and hold Company harmless from, or in connection with, any violation of this Section by Authorized Distributor or its employees, consultants, agents and/or representatives. In addition, failure of Authorized Distributor to comply with this Section shall be a material breach of this Agreement and shall entitle Company to immediately terminate this Agreement; Company shall be entitled to terminate this Agreement without prior notice if such termination is necessary in order to comply with applicable export laws and regulations. The products are 100% imported in India and therefore, we are a non-local supplier. The total amount of liquidated damages, both jointly and severally and arising due to any reason/s whatsoever, which can be imposed under the tender terms and conditions on the seller/service provider is limited to 10% of the total contract value.

The product is 100% imported and non-local product.

This authorization is valid till 31st December, 2026.

Yours faithfully,

For Invitrogen BioServices India Pvt. Ltd.,

Electronically signed by: Sharad
Dutta

Reason: Approver of the Non-GxP
document

Date: Jun 4, 2026 16:12:01 GMT+5.5

Sharad Dutta

Authorized Signatory

Registered Office:

Invitrogen BioServices India Pvt. Ltd

2nd Floor, First Technology Place, 3 EPIP Whitefield, Bangalore 560 066

T+91 80 41785401, 41785400, F+ 91 80 41680430, 41259423

www.thermofisher.com CIN: U73100KA2004PTC035330