



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान बरहमपुर
Indian Institute of Science Education and Research Berhampur
Established by the Ministry of Education, Govt. of India

PROPRIETARY ARTICLE NOTICE

No. IISERBpr/S&P/2025-26/PAC/10

Dt. February 24, 2026

Indian Institute of Science Education and Research Berhampur is an autonomous Institute established under Ministry of Education, Government of India. The Institute would like to procure Chromatography system with fraction manager on proprietary basis.

2. The following documents are hereby uploaded for open information to submit objections, comments if any from any manufacturer regarding proprietary nature of the equipment / item: -

- i) Proprietary Certificate by the firm
- ii) Detailed specifications

3. Objections if any are to be submitted through e-mail to purchase@iiserbpr.ac.in within 14 days from the date of publishing this notice, failing which it will be presumed that no vendor is having any comments to offer and the case will be processed on merits.

Deputy Registrar
(Stores & Purchase Officer)

Director	No upper limit (as per sanctioned budget)
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Annexure – I

SPECIFICATION FOR CHROMATOGRAPHY SYSTEM WITH FRACTION MANAGER FOR EXISTING SYSTEM FULLY CONTROLLED BY SOFTWARE

- 1) The Fraction collector should be compatible with the existing system, Xevo TQ Absolute Triple Quadrupole Mass Spectrometer.
- 2) The Fraction Collector should have a durable X-Y movement mechanism and 3-way diverter valve to manage the collection of purified peak fractions into Test Tubes, microtiter plates, Eppendorf tubes, scintillation vials, bottles & flasks. It should be controlled by the software.
- 3) It should be Universal Fraction Collector for Analytical and Preparative HPLC with standard rack for 120 tubes up to 180 mm height & diverter valve for standard-applications (should be compatible with all racks). The maximum flow should be 300 ml/min for future upgradation.
- 4) 2 Nos. of integrated HPLC pumps as Binary Gradient with dual reciprocating pistons and non-circular gear driven, free standing pump should be provided to work in Isocratic, Binary Gradient and semi preparative mode. The pumps should be able to work fully analytical and semi-preparative mode separately with different pump heads for Analytical & Semi-preparative applications. A pump drawing / design must be shared in the Bid.
- 5) Programmable flow range: 0.000 to 10.000 ml/min per pump with 0.01 ml/min increment or better for all kinds of Semi-Preparative application.
- 6) Flow Precision: 0.1% RSD or better.
- 7) Maximum Pressure: 6000 psi throughout entire Flow rate from 0.00 to 10.000 ml/min.
- 8) The system delay volume should be less than 200 µl for higher sensitivity. Data Sheets must be properly mentioned.
- 9) Flow accuracy: + 1% or better
- 10) The system should be capable of withstanding the retention time variations of less than 0.1% for highly reproducible peak performance.
- 11) Should have the capability to operate in at least 11 or more various gradient curve mode including Linear, Step, Concave, Convex. Exponential etc.
- 12) The manual injector should be fully integrated with the pump. No separate free-standing panel should be there for the injection. A sketch / drawing should also need to be provided along with the technical details which must show the same.
- 13) It should come with 5, 20, 50 and 200µl sample loops along with 25µl syringe.
- 14) Vendor should provide two number of extra preparative columns in addition to the default supply.
- 15) Should have the construction for sample load without interruption of flow.
- 16) Dead volume-free syringe guidance must be present along with Built-in injector signal.
- 17) UV/Visible Detector with Flow Cell
- 18) Wavelength range: 190 to 800 nm or better.
- 19) Measurement range should be 0.0001-4.0000AU or better.
- 20) Optics: Dual wavelength
- 21) Detector linear to 2.5 AU or better.
- 22) Flow Cell Design: Should be Taper Slit to avoid Total Internal Reflection. Detailed diagram should be provided.
- 23) Flow Cell Volume: 8.5 ul or lesser.
- 24) Bandwidth: ≤ 5nm or lesser.
- 25) Wavelength accuracy, Verification & Calibration of + 1nm preferably by Erbium Filter.
- 26) Light Source: Deuterium Lamp which should cover the entire range with the guarantee for 2000 hrs of operation without drop in the energy level with appropriate backup from software and hardware. It should be associated with Lamp optimization software to ensure consistent high sensitivity applications & reproducible integration to new lamp or old lamp. Lamp Switch on/off facility should be provided.
- 27) Sampling Rate: Upto 80 points/s or better.
- 28) Original Manufacturer's Licensed Software
- 29) The software should be quoted with a relational secured Oracle database (Oracle 19.0), independent of operating system and an interface for the software to the database for strong integrity and security of data.
- 30) The Software must come with 2 Base Licenses & 5 numbers of named user's licenses for the creation of separate usernames & passwords.
- 31) The software should be original, authenticated and compliant for 21 CFR Part 11.
- 32) The software must come with in-built System Suitability facility for Method validation, System performance, Reproducibility, Tracking and plotting trends & Processing and reporting.

- 33) Should have options for manual Integration. All Meta data should be automatically managed, linked and versioned along with customized reporting format.
- 34) Audit Trail ID Should be available with Audit Summary report which should be available at glance.
- 35) The software should be able to show the capability of the system to operate in at least 11 or more various gradient curve modes including Linear, Step, concave, convex. exponential etc. along with Apex integration & Gaussian skimming.
- 36) Should have option for versatility for multitasking without multiple software packages
- 37) Customizable data reports, online help and answer wizards must be available.
- 38) Should provide a suitable monitor and required software's free of cost
- 39) Software validity should be lifetime and an option to upgrade with free of cost.
- 40) Should have option for data integrity along with advanced security measures and regulatory compliance.
- 41) Software should have fully interactive system suitability & Pass/ Fail criteria for faster decision making.
- 42) Versioning of Results generated should be available.
- 43) Vendor should supply a suitable UPS which gives backup for the entire system and computer at least for 30 minutes or more
- 44) Vendor should provide all essential consumables during the installation
- 45) Vendor should arrange at least two training sessions before completion of warranty.
- 46) The raw data should be available for processing at any time after modification of 'n' number of times.
- 47) Warranty: 1 Year comprehensive except consumables or perishables.



Date: 10 February 2026

To
The Director
Indian Institute of Science Education and Research (IISER) Berhampur,
Berhampur, Odisha – 760010

Dear Sir,

Sub: Proprietary Certificate cum Sole Manufacturer Declaration

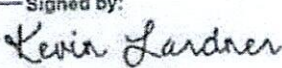
We, Waters Technologies Corporation, USA, certify that we are the Sole Manufacturer of the following instruments which are proprietary in nature to Waters Technologies Corporation, USA, and no other company manufactures this equipment and exclusively assembles its spare parts by Waters only and no one else in the world. Waters (India) Private Limited is a 100% subsidiary of Waters Technologies Corporation, USA and has direct operations in India with dedicated technical manpower to service Waters' Products in India.

Waters Technologies Corporation, USA, can also sell the below instruments as an upgradation to the existing Waters user base & Waters (India) Private Limited will provide support & after sales services to you.

Item No.	Description
1	WATERS™ FRACTION COLLECTOR
2	WATERS™ BINARY PUMP
3	WATERS™ INJECTOR
4	WATERS™ 2489™ UV/VIS DETECTOR
5	WATERS™ EMPOWER™ SOFTWARE

The above instrument also holds US Patents as per the details: 11,185,794 . 10,013,338

Yours Faithfully,

Signed by:

9916AD41B2DA43F...



Name: Kevin Lardner

Title: VP Manufacturing

Duly authorized to sign this Authorization on behalf of Waters Technologies Corporation

Regarding registration of OMBRIC project

Office, Research and Development IISER Berhampur <office_rd@iiserbpr.ac.in>

Fri, Jan 9, 2026 at 3:50 PM

To: Finance and Accounts IISER Berhampur <fna@iiserbpr.ac.in>

Cc: Parikshit Moitra <parikshit@iiserbpr.ac.in>, Dean of Research and Development <dord@iiserbpr.ac.in>, Swarup Narayan Behera <swarupb@iiserbpr.ac.in>, "Dr. Thirupathi Barla" <thirupathibarla@iiserbpr.ac.in>, Jose Sebastian <jose@iiserbpr.ac.in>, R selvi Bharathavikru <brselvi@iiserbpr.ac.in>, Vinay Bulusu <vbulusu@iiserbpr.ac.in>, Arunkumar Krishnan <akrishnan@iiserbpr.ac.in>, Korada Manjunath <kmn@iiserbpr.ac.in>, Subrat Kumar Pattnaik <subrat@iiserbpr.ac.in>

Dear Sir,

Kindly map the sanctioned fund to newly registered project number **IISERBPR/BIO/S&T/261125/091** of Dr. Jose Sebastian.

Recurring : ₹1,03,87,000/-

Non-recurring : ₹24,00,000/-

Total: : ₹1,27,87,000/-

Best Regards**कोराडा मंजूनाथ / Korada Manjunath****वरिष्ठ सहायक कुलसचिव (अनुसंधान और विकास कार्यालय) / Senior Assistant Registrar (R&D)**

भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान ब्रह्मपुर / IISER Berhampur

ग्राम/पोस्ट: लौड़ीगम, ब्रह्मपुर, जिला: गंजाम, ओड़ीशा-760003/

At/Po: Laudigam, Berhampur, Dist. Ganjam, Odisha-760003

P: +91 680 2227707 | E: office_rd@iiserbpr.ac.in | W: www.iiserbpr.ac.in



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On Mon, Jan 5, 2026 at 10:46 AM Finance and Accounts IISER Berhampur <fna@iiserbpr.ac.in> wrote:

[Quoted text hidden]

Form: S&P 10

Proprietary Article Certificate
 (Valid for Current Financial Year)

Name of Indenter: THIRUPATHI BARLA Department: CHEMICAL SCIENCES
 Indent Number IISERBPR/2025-26/KHM/80034/342 Date: 19/02/2026

1. Description of article: Chromatographic System with fraction manager
2. Forecast of quantity / annual requirement: 01
3. Approximate estimated value for above quantity: Rs. 24,00,000.00
4. Makers name and address: Waters
5. Name of authorised dealer / stockist: Waters India
6. I approve the above purchase on PAC basis and certify that: -
 (Please tick (✓) the appropriate box, whichever is applicable and cross (X) others. Please do confirm SL (a) without which PAC certificate will be invalid.)

a)	This is the only firm who is manufacturing / stocking this item And	☒
b)	A similar article is not manufactured / sold by any other firm, which could be used in lieu OR	☐
c)	No other make / brand will be suitable for following tangible reasons (like OEM/ Warranty spares) OR	☐
d)	No other make / brand will be suitable for following intangible reasons (if PAC was also given in the last procurement cycle, please also bring out efforts made since then to locate more sources)	☐

7. Reference of concurrence of Finance wing to the proposal: OMBRIC PROJECT

History of PAC purchase of this item for past three years may be given below			
Name of the supplier	<u>NA</u>		
Order / Tender Reference & Date	Quantity ordered	Basic rate on order	Adverse performance if any

Signature of indenting Officer [Signature]
 Date: 19/02/2026

Approving authority.....
 Date Designation



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Indian Institute of Science Education and Research Berhampur
Established by the Ministry of Education, Govt. of India

CENTRAL STORE & PURCHASE SECTION
PURCHASE ORDER

Page 1/3

Purchase Order No.: P/CHM/2022-23/ 236

Date: November 09, 2022

Authorised Indian Agent
M/s Waters (India) Private Limited
36A, II Phase, Peenya Industrial Area
Bangalore – 560 058
E-Mail- india@waters.com

OEM Address: -
M/s. WATERS Pacific Pte Ltd
1. Science Park Road, #02-08
The Capricorn, Singapore science park II
Singapore 117528

Subject: Purchase order against our NIT No. IISERBpr/S&P/GTE/2022-23/27 dated 12/07/2022

Sir/Madam,

- With reference to the quotation submitted in NIT No. IISERBpr/S&P/GTE/2022-23/27 dated 12/07/2022 and on the basis of recommendation of Technical Committee duly approved by Director, the purchase order is hereby released for supply of the below mentioned items in accordance with the terms and conditions set out here below.
- Please acknowledge acceptance of the purchase order within 14 days from the date of issue of Purchase Order.

Sl No	Item description	Qty	Total value including all taxes (₹)
1	Triple Quadrupole LC-MS/MS including accessories (Specifications as per section IV of NIT document)	01	₹ 2,12,59,989
Total purchase order value including GST (CIP KOLKATA)			₹ 2,12,59,989
Amount in Words- (Rupees two crore twelve lakh fifty-nine thousand nine hundred and eighty-nine only)			
2	Additional comprehensive warranty for 04 years for the complete system covering all indigenous items including applicable taxes		₹ 52,91,120

Warranty – 05 years onsite comprehensive for the complete system including all indigenous items from the date of successful installation and commissioning.

F&A Code – 35.02 (CIF) (49)

Name of the Indenting Officer / Department – Dr. Thirupathi Barla / Chemical Sciences

Indent No. – IISERBpr/2022-23/CHM/B0001/74 dated 19/05/2022

3. Other Terms & Conditions: -

- Payment: Mode: Payment: Mode: Code -02, 100% by irrevocable Letter of Credit.
- Freight basis: CIP Kolkata, India
- The payment for an additional four (04) years comprehensive warranty shall be released proportionately on yearly basis at the year-end subject to submission of a valid tax invoice and PBG validity.
- Our authorized Custom House Agent/ Freight Forwarder:
M/s Track Cargo Pvt Ltd
8, Asia House, KG Marg,
Opp. Bhartiya Vidya Bhawan, CP, New Delhi- 110001
E-Mail shashank@trackcargo.in INFO@TRACKCARGO.IN
- Delivery time: 14 weeks from the date of establishment of the irrevocable Letter of Credit. Penalty @ 0.5 % per week or part thereof subject to a maximum of 10% of the delivery price will be deducted from your bills if supply is not completed within the stipulated period or a valid extension is obtained.
- Delivery Instruction: All items referred to under PO and NIT shall be delivered between 9 AM to 5:30 PM only on all working days (i.e. from Monday to Saturday).
- Insurance: To be arranged by the supplier.
- Your offer and our purchase order will form a valid contract between us.
- Advance intimation of Dispatch (most important). The supplier shall give advance intimation to the consignee by mail, purchase@iserbpr.ac.in, Ph. +916802227 728/709.
- Remarks: IISER BERHAMPUR GST: 21AABAI0732K1Z5

Yours faithfully

09/11/2022
Store & Purchase Officer