

LOCAL TENDER NOTICE

Supply and Installation of Automatic Micro Viscometer System

**Centre for Nanoscience and Engineering (CeNSE)
Indian Institute of Science, Bangalore – 560012**

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Section 1 – Bid Schedule

Sl. No.	Item	Details
1	Tender Number	IISC/CeNSE/GP/01
2	Tender Date	19 th August 2026
3	Item Description	Supply and Installation of Automatic Micro Viscometer System
4	Tender Type	Two bid system: a. Technical Bid (Part A) b. Commercial Bid (Part B)
5	Place of Tender Submission	Office of the Chairperson Centre for Nanoscience and Engineering (CeNSE) Indian Institute of Science Bangalore – 560012 Attn: Dr. Gayathri Pillai
6	Last Date and Time for Tender Submission	11 th September 2026, 5:00 PM
7	For Further Clarification	Centre for Nanoscience and Engineering (CeNSE) Indian Institute of Science, Bangalore – 560012 Email: gpillai@iisc.ac.in

Section 2 – Eligibility Criteria

Prequalification Criteria

1. The Bidder's firm should have existed for at least 3 years. The bidder must enclose the company registration certificate.
2. The Bidder must not be blacklisted/banned/suspended or have a record of any service-related dispute with any organization in India or elsewhere. A declaration to this effect must be submitted as per Annexure 3.
3. The bidder shall sign and submit the declaration for Acceptance of Terms and Conditions as per Annexure 4.
4. The Bidder shall provide a support certification as per Annexure 6.
5. The Bidder must have qualified technical service personnel for the instrument(s) based in India.
6. The Bidder should belong to either Class-1 or Class-2 suppliers distinguished by their "local content" as defined by recent edits to GFR. They should mention clearly which class they belong to in the cover letter. a) Class-1 supplier: Goods and services should have local content of equal to or more than 50%. b) Class-2 supplier: Goods and services should have local content of equal to or more than 20 % and less than 50%.
7. Quote should come only from Indian Original Equipment Manufacturer (OEM) or their Indian authorized distributor.
8. The quotations should be on FOR-IISc Bangalore basis in INR only.
9. Bidders offering imported products will fall under the category of non-local suppliers. They cannot claim themselves as Class-1 local suppliers/Class-2 local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training, and other sales service support like AMC/CMC, etc., as local value addition.
10. Purchase preference as defined by the recent edits to GFR (within the "margin of purchase preference") will be given to the Class-1 supplier.
11. MSMEs can seek an exemption to some qualification criteria. IISc follows GFR2017 for such details.

Section 3 – Terms and Conditions

A. Submission of Tender

1. All documentation in the submission must be in English.
2. The bid shall be submitted in a two-cover system: Technical Bid and Commercial Bid in separately sealed covers.
3. a. Technical Bid (Part-A) – The technical proposal shall include a compliance table with all items in the same order as the specifications. Column 1: Yes/No compliance. Column 2: Exact specification or extent of deviation. Column 3: Reasons for deviation (if any). Column 4: Additional details or comparison. Suppliers who include any price indication in the technical bid will be automatically disqualified.
4. b. Commercial Bid (Part-B) – Item-wise price breakdown as per the format in Section 6, inclusive of all discounts, installation, and training.
5. c. Both sealed covers shall be placed in a larger outer sealed cover, clearly superscripted with Tender Number, Tender Description, and Due Date.
6. d. The SEALED COVER must reach the address stated in Section 1 before the due date and time. If the due date falls on a holiday, submissions will be accepted on the next working day.
7. GST/other taxes and levies shall be indicated separately. The bidder must provide GST Registration and PAN details (Indian Bidders only).
8. IISc reserves the right to accept or reject any bid and to annul the bidding process at any time prior to award, without incurring any liability.
9. The technical/purchase committee may require a demonstration at IISc Bangalore to verify stated functionalities. The committee reserves the right to set the timeframe for such demonstration and to reject bids based on evaluation.
10. All components and accessories must be listed with itemized breakup. Country of origin certificates for each line item must be provided.
11. Incomplete bids will be summarily rejected. The decision of the purchase committee is final.

B. Cancellation of Tender

Notwithstanding anything specified in this tender document, IISc Bangalore, in its sole discretion, reserves the right to:

1. Accept OR reject the lowest tender or any other tender or all tenders.
2. Accept any tender in full or in part.
3. Reject any tender not conforming to the tender terms.

C. Validity of the Offer

The offer shall remain valid for 90 days from the date of opening of the commercial bid.

D. Evaluation of the Offer

1. The Technical Bid (Part A) will be opened and evaluated first.
2. Only bidders meeting the eligibility criteria in Section 2 shall be considered for Commercial Bid (Part B) opening.
3. Pre-qualification shall not imply final acceptance. Acceptance/rejection rests at the sole discretion of IISc Bangalore.
4. Bids deviating from vital conditions (non-submission of complete offer, receipt after due date, bids received in open condition) are liable to rejection.
5. Lowest bid will be calculated based on the total price of all essential items and selected optional items, including accessories, spares, warranty, and AMC.
6. No revision of terms and conditions quoted will be entertained after the tender submission deadline.

E. Pre-requisites

The bidder shall provide prerequisite installation requirements (space, utilities, environmental conditions) along with the technical bid.

F. Warranty

The complete system shall be under comprehensive warranty for a minimum period of 1 year from the date of functional installation. Warranty for additional 2 years may be provided as an optional. If the instrument is found defective, it shall be replaced or rectified at the bidder's cost within 30 days from the date of receipt of written communication from IISc, Bangalore. If there is any delay in replacement or rectification beyond this period, the warranty period shall be extended by the corresponding number of days of delay.

G. Annual Maintenance Contract (AMC)

An annual maintenance contract for at least three years post-warranty may be provided as an essential, optional item upon completion of the warranty period.

H. Purchase Order

1. The order will be placed on the selected bidder based on terms stated in this tender document.
2. Quantities in the tender are indicative. IISc Bangalore reserves the right to increase/decrease quantities.
3. If quality of product or service is unsatisfactory, IISc Bangalore reserves the right to cancel or amend the contract.
4. After award of the purchase order, the vendor shall provide an Order Acknowledgement within 30 days of receipt.

I. Delivery, Installation and Training

The system shall be delivered, installed, and made fully functional within 10–12 weeks from the date of receipt of purchase order. Supply is complete only upon satisfactory installation, inspection, and testing of all features by IISc Bangalore. The warranty period begins from the date of takeover of the entire system. No partial shipment is allowed. On-site technical training shall be provided to IISc staff at no extra cost.

J. Payment Terms

For INR quotes: 100% payment released after completion of delivery, satisfactory installation, and qualification, subject to TDS as per rules. As per GFR, no advance payment can be made to domestic vendors. Prices must be on FOR IISc Bangalore basis. For foreign currency quotes: CIP Bangalore basis.

K. Statutory Variation

Any statutory increase in taxes/duties within the original contractual delivery date will be borne by IISc Bangalore, subject to documentary evidence. Any decrease will be passed on to IISc Bangalore.

L. Dispute and Jurisdiction

Any legal disputes arising from breach of contract pertaining to this tender shall be settled in courts of competent jurisdiction within the city of Bangalore, India.

M. General

1. All amendments, time extensions, and clarifications within the submission period will be communicated electronically.
2. The bidder may furnish additional information to establish capabilities.
3. The bidder may visit the installation site before tender submission with prior intimation.
4. Any information furnished by the bidder found to be incorrect shall render the bidder liable to be debarred from tendering at IISc Bangalore.

Section 4 – Technical Specifications

Automatic Micro Viscometer System

Essential Specifications

#	Parameter	Specification
1	Viscosity Measuring Range	Dynamic viscosity: 0.2 mPa·s to 10,000 mPa·s with an accuracy of ± 0.01 mPa·s or better. The minimum sample volume of 0.1 mL to 0.5 mL (or lower) must be sufficient for precise measuring results across the full viscosity range. All technical specifications should be satisfied at the lowest volume ($\leq 200\mu\text{L}$) and across the viscosity range (at least 0.2 mPa·s to 100 mPa·s)
2	Shear Rate Range	0.5 s^{-1} to $1,000\text{ s}^{-1}$ Display interface should show the value
3	Temperature Control Range	Temperature range: $+5\text{ }^{\circ}\text{C}$ to $+100\text{ }^{\circ}\text{C}$ without counter cooling.
4	Temperature Precision	Temperature repeatability (s.d.): $0.005\text{ }^{\circ}\text{C}$. Temperature accuracy: $0.02\text{ }^{\circ}\text{C}$.
5	Temperature Scanning	Flexible temperature scan capability for testing a liquid's temperature-dependent behaviour.
6	Viscosity Precision	Viscosity repeatability (s.d.): 0.1%. Viscosity accuracy: $\pm 0.5\%$.
7	Automated Measurement Optimization	The instrument must have automatic functions to optimize measurement time and stability, including auto-angle and auto-distance functions.
8	Non-Newtonian Liquid Analysis	The instrument must support measurements across multiple angles to characterize non-Newtonian behaviour.
9	Wetted Parts – Chemical Resistance	Materials of all wetted parts must exhibit chemical resistance equivalent to borosilicate glass 3.3 or PCTFE.
10	Hermetically Sealed Capillary	The capillary or equivalent must be hermetically sealed
13	Minimum Sample Volume	Minimum sample volume: 0.2 mL (200 μL)
14	Detection Method	Electromagnetic ball detection. The scheme must be unaffected by sample opacity or turbidity and it should be proved.
15	Software	Software support to calculate and analyze relative viscosity, specific viscosity, inherent viscosity, intrinsic viscosity, molar mass, degree of polymerization, and K-value.
16	User Interface	Adjustable touchscreen display, customizable for different methods. The display shall show all relevant measuring parameters and resulting values. Method-specific views shall be user-configurable.

17	Data Interfaces & LIMS	Interfaces: 4× USB 2.0 or 3.0, Ethernet, VGA, CAN, RS-232. LIMS support: bidirectional data transfer via Ethernet; optional export to local network; instrument start via LIMS shall be possible.
18	Power Supply	AC 100 V to 240 V; 50 Hz to 60 Hz; 190 VA. System must be directly operable on 230 V / 50 Hz Indian mains supply.
19	Certification	Equipment must carry valid ISO/CE certification. A copy of the valid certificate must be provided with the bid.
20	Warranty	The complete system shall be under comprehensive warranty for a minimum period of 1 year from the date of functional installation. Warranty for additional 2 years may be provided as an optional. If the instrument is found defective, it shall be replaced or rectified at the bidder's cost within 30 days from the date of receipt of written communication from IISc, Bangalore. If there is any delay in replacement or rectification beyond this period, the warranty period shall be extended by the corresponding number of days of delay.
		Other Specifications (non-technical)
1	Service & Support	Training and operational instructions to be provided by qualified engineers of the bidder's firm to IISc technical staff, free of cost, after installation. Dedicated service and application support personnel must be based in India. Response to service calls within 48 hours of complaint registration.
2	Customer Base	Similar or identical systems must have been supplied to at least three universities/research institutes globally. Names and contact details of at least three reference users must be provided.

Optional Accessories

#	Parameter	Specification
A	Annual Maintenance Contract (AMC)	An annual maintenance contract for at least three years post-warranty, provided as an essential, optional item upon completion of the warranty period. Year-wise cost breakup to be quoted in the commercial bid.
B	Counter/Circulation Cooler	Circulation cooler accessory for low-temperature measurements down to -30 °C or lower. Please specify model, cooling range, and compatibility.
C	Autosampler / Sample Changer	Automated sample changer compatible with the viscometer, for high-throughput operation. Please specify capacity and compatibility.
D	Additional Capillaries	Additional capillaries (glass and/or PCTFE) in different diameters/lengths. Please quote individually with catalogue numbers and specifications.
E	Density Module Integration	Compatible DMA density meter module for simultaneous density and dynamic viscosity measurement. Please quote separately.

Section 5 – Technical Bid

The technical bid shall furnish all requirements of the tender along with all annexures in this section and be submitted to:

**The Chairperson,
Centre for Nanoscience and Engineering (CeNSE),
Indian Institute of Science,
Bangalore – 560012, India.
Attn: Dr. Gayathri Pillai**

Annexure 1 – Details of the Bidder

The bidder must provide the following mandatory information and attach supporting documents wherever mentioned:

Sl. No.	Item	Details
1	Name of the Bidder	
2	Nature of Bidder (Attach attested copy of Certificate of Incorporation / Partnership Deed)	
3	Registration No. / Trade License (attach attested copy)	
4	Registered Office Address	
5	Address for Communication	
6	Email ID	
7	Website	
8	Contact Person – Name and Designation	
9	Telephone No.	
10	PAN No. (attach copy) – For Indian Vendor only	
11	GST No. (attach copy) – For Indian Vendor only	

Signature of the Bidder: _____

Name: _____

Designation, Seal: _____

Date: _____

Annexure 2 – Declaration Regarding Experience

To,
The Chairperson,
Centre for Nanoscience and Engineering (CeNSE),
Indian Institute of Science,
Bangalore – 560012, India.

Ref: Tender No: _____ Dated: _____

Dear Sir/Madam,

I have carefully reviewed the Terms & Conditions in the above-referred tender. I hereby declare that my company/firm has _____ years of experience in supplying and installing the proposed equipment.

Yours faithfully,

(Signature of the Bidder)

Name:

Designation, Seal:

Date:

Annexure 3 – Declaration Regarding Track Record

To,
The Chairperson,
Centre for Nanoscience and Engineering (CeNSE),
Indian Institute of Science, Bangalore – 560012, India.

Ref: Tender No: _____ Dated: _____

Dear Sir/Madam,

I have carefully reviewed the Terms & Conditions in the above-referred tender. I hereby declare that my company/firm is not currently debarred/blacklisted by any Government/Semi-Government organizations/institutions in India or abroad. I further certify that I am a competent officer in my company/firm to make this declaration.

Or

I declare the following:

Sl. No.	Country in which Debarred/Blacklisted	Blacklisted/Debarred by	Reason	Since when and for how long
1				
2				

(NOTE: In case the company/firm was blacklisted previously, provide details of the period and reasons.)

Yours faithfully,

(Signature of the Bidder)

Name:

Designation, Seal:

Date:

Annexure 4 – Declaration for Acceptance of Terms and Conditions

To,
The Chairperson,
Centre for Nanoscience and Engineering (CeNSE),
Indian Institute of Science,
Bangalore – 560012, India.

Ref: Tender No: _____ Dated: _____

Dear Sir/Madam,

I have carefully reviewed the Terms & Conditions mentioned in the above-referred tender document. I declare that all the provisions of this tender document are acceptable to my company. I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration.

Yours faithfully,

(Signature of the Bidder)

Name:

Designation, Seal:

Date:

Annexure 5 – Details of Items Quoted

1. Company Name:
2. Product Name:
3. Part / Catalogue Number:
4. Product Description / Main Features:
5. Detailed Technical Specifications:
6. Remarks:

Instructions to Bidders

1. Bidder shall provide technical specifications of the quoted product(s) in detail.
2. Bidder shall attach product brochures along with the technical bid.
3. Bidders shall clearly indicate compliance or non-compliance with each technical specification provided in this tender document.

Annexure 6 – Support Certification

To,
The Chairperson,
Centre for Nanoscience and Engineering (CeNSE),
Indian Institute of Science,
Bangalore – 560012, India.

Ref: Tender No: _____ Dated: _____

Dear Sir/Madam,

I have carefully reviewed the Terms & Conditions mentioned in the above-referred tender document. I declare that the model quoted has not been discontinued by our organisation and that repair parts will be available for at least another ten years. I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration.

Yours faithfully,

(Signature of the Bidder)

Name:

Designation, Seal:

Date:

Section 6 – Commercial Bid

The commercial bid shall be furnished with all requirements of the tender with supporting documents as listed below. Addressed to:

The Chairperson,
Centre for Nanoscience and Engineering (CeNSE),
Indian Institute of Science, Bangalore – 560012, India.
Attn: Dr. Gayathri Pillai

S. No.	Description	Cat. Number	Qty	Unit Price (INR)	Sub Total (INR)
1	Essential Items (as per Technical Specification)				
1a	Microviscometer Main Unit – standalone base unit for instrument operation		1		
1b	Microviscometer Measuring Module – viscosity measurement module		1		
1c	Set of balls 1.5 mm (300 pcs.) or equivalent		1		
1d	Viscosity Standard H ₂ O 100 mL (Certified)		1		
1e	Packing, Forwarding & Freight		1		
2	Optional Items (as per Technical Specification)				
2a	Annual Maintenance Contract – 3 years post-warranty (essential optional item; year-wise cost breakup required)				
2b	Counter/Circulation Cooler for low-temperature operation				
2c	Autosampler / Sample Changer				
2d	Additional capillaries (specify types)				
2e	Density Module (specify model)				
3	Accessories for operation and installation				
4	All consumables, spares, and software to be supplied locally				
5	Warranty (minimum 1 year comprehensive and year-wise cost breakup required for 2 additional years)				
6	Cost of insurance and freight (if applicable)				
7	CIP / FOR IISc Bengaluru (grand total before GST)				
8	GST (please specify applicable %)				
TOTAL LANDING COST (inclusive of all taxes)					

Section 7 – Checklist

(This should be enclosed with the Technical Bid – Part A)

The following items must be checked before the bid is submitted:

A. Sealed Envelope "A": Technical Bid

1. Section 5 – Technical Bid (each page signed by authorized signatory and sealed) with the following annexures:
2. Annexure 1: Bidder's details
3. Annexure 2: Declaration regarding experience
4. Annexure 3: Declaration regarding clean track record
5. Annexure 4: Declaration for acceptance of terms and conditions
6. Annexure 5: Details of items quoted (with product brochures)
7. Annexure 6: Support certification
8. Copy of this tender document duly signed by the authorized signatory on every page and sealed.

B. Sealed Envelope "B": Commercial Bid

1. Section 6: Commercial Bid with item-wise price breakdown.

Your quotation must be submitted in two envelopes (Technical Bid – Envelope A and Commercial Bid – Envelope B), each superscribed with the Tender Number and Due Date. Both sealed envelopes are to be placed in a larger outer cover, also sealed and duly superscribed with the Tender Number, Tender Description, and Due Date.