

**OPEN GLOBAL TENDER NOTICE**

**Supply and Installation of Patient Sample Dissociator**



**TENDER DOCUMENT**

**IISC/BE/AT/25-26/01**

**Department of Bioengineering  
Indian Institute of Science, Bangalore**

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## Section 1: Bid Schedule

1	Tender Number	IISC/BE/AT/25-26/01
2	Tender date	29 April 2026
3	Item description	Supply and installation of patient sample dissociator
4	Tender type	Two bid system: a. Technical Bid (Part A) b. Commercial Bid (Part B)
5	Place of tender submission	Dept of Bioengineering Office, Department of Bioengineering TCS-X Smart Hub Building Indian Institute of Science, Bangalore 560012 080-2293-3752
6	Last date and time for tender submission	20 May 2026, 5:00PM
7	For further clarification	Dr. Ajay Tijore Assistant Professor Department of Bioengineering Indian Institute of Science, Bangalore 560012 Email: <a href="mailto:ajaytijore@iisc.ac.in">ajaytijore@iisc.ac.in</a> Phone: 080 2293 3752

## **Section 2: Eligibility Criteria**

Prequalification criteria:

1. The Bidder's firm should have existed for at least five years. The bidder should enclose the company registration certificate.
2. Only the Original Equipment Manufacturer or its authorized representatives worldwide shall participate in the bid.
3. 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 has to be given as per Annexure 3.
4. The bidder should sign and submit the declaration for Acceptance of Terms and Conditions as per Annexure 4.
5. The bidder should provide a support certification in accordance with Annexure 6.
6. The Bidder should have qualified technical service personnel for the instrument(s) based in India.
7. Foreign currency quotations should be on the CIP Bangalore basis. INR quotes should be on a FOR-IISc Bangalore basis.
8. The order will be placed only with the bidder who participated in the bid.

## **Section 3: Terms and conditions**

### **A. Submission of Tender:**

1. All submitted documentation should be in English.
2. The bid should be submitted in the two-cover system, i.e., the technical and commercial bids should be submitted separately in sealed covers.
  - a. Technical Bid (Part-A) – The technical proposal should contain a compliance table besides the technical specifications listed in the description section below.

The compliance table should include all the items and be in the same order.

- i) The first column should describe your compliance with a “Yes” or “No” response.
- ii) The second column should state the extent of deviation if the answer was no, or describe the exact specifications if the answer is yes.
- iii) The “third” column should state the reasons for the deviation if the answer was No.
- iv) The fourth column can be used to compare your solution with competitors' solutions or to provide details as requested in the technical requirements table below.

Suppliers who include any price indication in the technical bid will be automatically disqualified.

b. Commercial Bid (Part-B) – Commercial bid indicating item-wise price breakdown for the items mentioned in the technical bid, as per the format provided in the tender, and other commercial terms and conditions. The price should be inclusive of all discounts and installation and training.

c. The technical bid and price bid should each be placed in separate sealed covers, superscripting on both the envelopes the tender no. and the due date. Both these sealed covers are to be placed in a bigger cover, which should also be sealed and duly superscripted with the Tender No, Tender Description & Due Date.

d. The SEALED COVER superscripting tender number/due date should reach the address mentioned above on or before the due date mentioned in the tender notice. If the due date falls on a holiday, the tender will be accepted and opened on the next working day. If the quotation cover is not sealed, it will be rejected.

3. GST/other taxes, levies, etc., must be indicated separately. The BIDDER should include GST Registration and PAN in the tender document and provide copies of both documents (for Indian Bidders only).
4. If the price is not quoted in the Commercial Bid as per the format provided in the tender document, the bid is liable to be rejected.
5. The Institute reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to the award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders.
6. A technical evaluation by the purchase committee may include a demonstration at the Indian Institute of Science to verify the functionalities and capabilities of the system quoted. The technical/purchase committee reserves the right to determine the timeframe within which the demonstration must be completed. The technical/purchase committee also reserves the right to reject the bids based on their technical evaluation of data quality, capability demonstration, and service. If the data/requested capability demonstration does not happen within a stipulated timeframe, the bid will be rejected. Any discrepancy between the promised specifications and measurements will be deemed as technical non-compliance.
7. Imported items should be shipped on C.I.P. Bangalore basis (by Air Freight only), and all components and accessories should indicate component-wise and itemized breakup. Provide certificates of origin for each line item. The price of every line item in the commercial bid should be quoted along with the total quoted price for the instrument to be operational (installed and ready to use) in our facility.
8. Incomplete bids will be summarily rejected.
9. The decision of the purchase committee will be final.

**B. Cancellation of Tender:**

Notwithstanding anything specified in this tender document, IISc Bangalore, in its sole discretion, unconditionally and without having to assign any reason, reserves the right:

- a. To accept OR reject the lowest tender or any other tender or all the tenders.

- b. To accept any tender in full or in part.
- c. To reject the tender, the offer does not conform to the tender terms.

**C. Validity of the offer:**

The offer shall be 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. Bidders meeting the required eligibility criteria as stated in Section 2 of this document shall only be considered for the Commercial Bid (Part B) opening. Further, agencies that do not furnish the required documentary evidence will not be considered.
3. Pre-qualification of the bidders shall not imply final acceptance of the Commercial Bid. The agency may be rejected at any point during the technical or commercial evaluation. The decision regarding acceptance and/or rejection of any offer in part or in full shall be the sole discretion of IISc Bangalore, and the decision in this regard shall be binding on the bidders.
4. The award of the contract will be subject to acceptance of the terms and conditions stated in this tender.
5. Any offer which deviates from the vital conditions (as illustrated below) of the tender is liable to be rejected:
  - a. Non-submission of complete offers.
  - b. Receipt of bids after due date and time and/or by email/fax (unless specified otherwise).
  - c. Receipt of bids in open conditions.
6. In case any BIDDER is silent on any clauses mentioned in these tender documents, IISc Bangalore shall construe that the BIDDER had accepted the clauses as of the tender, and no further claim will be entertained.
7. No revision in the terms and conditions quoted in the offer will be entertained after the last date and time fixed for receipt of tenders.
8. The lowest bid will be calculated based on the total price of all essential items and selected optional items tendered for basic equipment, along with accessories selected for installation, operation, pre-processing and post-processing, optional items, recommended spares, warranty and an annual maintenance contract. Hence, the bidder should provide the best price for all essential and optional items asked in the tender under the technical specifications.

**E. Pre-requisites:**

The bidder will provide the equipment's prerequisite installation requirements along with the technical bid.

**F. Warranty:**

The complete system is to be under a minimum 1-year warranty, including free supply of consumables, spare parts, and data analysis software from the date of functional installation. The vendor should include the cost of any spares that are expected to be needed during the warranty period, including electronics, subcomponents, and software. If the instrument is found to be defective, it must be replaced or rectified at the bidder's cost within 30 days of receipt of written communication from IISc Bangalore. If there is any delay in replacement or rectification, the warranty period should be correspondingly extended.

**G. Annual Maintenance Contract (AMC):**

An annual maintenance contract is not required for this purchase.

**H. Purchase Order:**

1. The order will be placed on the bidder whose bid is accepted by IISc Bangalore based on the terms & conditions mentioned in the tender document.
2. The quantity of the items in the tender is only indicative. IISc Bangalore reserves the right to increase/decrease the quantity of items depending on requirements.
3. If the quality of the product and service provided is not found satisfactory, IISc Bangalore reserves the right to cancel or amend the contract.
4. After the award of the purchase order, the vendor must provide an Order Acknowledgment within 30 days from the receipt of the Purchase Order

**I. Delivery, Installation and Training:**

The bidder shall provide the lead time for delivery, installation and functionalization at IISc Bangalore from the date of receipt of the purchase order. The system should be delivered, installed, and made functional within 4-6 months of receipt of the purchase order. The supply of the items will be considered as effective only on satisfactory installation and inspection of the system and inspection of all the items and features/capabilities tested by the IISc Bangalore. After successful installation and inspection, the date of IISc Bangalore taking over the entire system shall be deemed the start of the warranty period. No partial shipment is allowed. The bidder should also arrange for technical training for the local facility technologists and users. The bidder should provide on-site application training for the local facility technologists and users. The bidder should also arrange technical training for the local facility technologists and users.

**J. Payment Terms:**

For INR quotes, 100% payments will be 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. For INR quotes, the price must be on the FOR IISc Bangalore basis only.

For foreign currency quotes, the quote must be on a CIP Bangalore basis. The payment terms for the foreign currency quotes should be mentioned along with the commercial offer.

**K. Statutory Variation:**

Any statutory increase in the taxes and duties subsequent to the bidder's offer, if it takes place within the original contractual delivery date, will be borne by IISc, Bangalore, subject to the claim being supported by documentary evidence. However, if any decrease takes place, the advantage will have to be passed on to IISc Bangalore.

**L. Dispute and Jurisdiction:**

Any legal disputes arising from any breach of contract under this tender shall be settled in the court of competent jurisdiction located in the city of Bangalore, India.

**M. General:**

1. All amendments, time extensions, clarifications, etc., during the tender submission period will be communicated electronically. No extension in the bid due date/time shall be considered on account of delay in receipt of any document(s) by mail.
2. The bidder may furnish any additional information necessary to establish the capability to successfully complete the envisaged work. It is, however, advised not to furnish superfluous information.
3. The bidder may visit the installation site before submission of the tender, with prior intimation.
4. Any information furnished by the bidder found to be incorrect, either immediately or at a later date, would render the bidder liable to be debarred from tendering/taking up work in IISc Bangalore.

## Section 4: Technical Specifications

Sr No	Technical Parameter	Specifications
1	Instrument design	Bench-top, fully automated tissue dissociation, perfusion and homogenization system (3 in 1 system)
2	Sample capacity	Minimum 8 samples processing simultaneously or sequentially
3	Position independence	Minimum 8 positions independently operable with different programs
4	Heating units	Minimum 8 units, position-specific heating units integrated into instrument
5	Heating temperature	Fixed incubation temp. at 37 °C
6	Cooling capability	On-instrument cooling range 2–8 °C despite outside temperature is 35 °C for 1 h.
7	Working capability	User must be able to pause a running sample and resume the run from the same step without restarting the program
8	Dissociation method	Combined mechanical + enzymatic dissociation
9	Automation level	Walk-away automation post program initiation
10	Closed system	Closed, sterile, single-use tube system
11	Tissue input range	20 mg to 4,000 mg tissue per tube
12	Volume range	300 µL to 10 mL working volume
13	Program library size	50-100 programs and tissue-specific validated programs
14	Custom programs	Ability to create, edit, import, export custom programs
15	Program execution	Ability to run different eight programs simultaneously
16	Rotation range	20 rpm – 4,000 rpm, bi-directional
17	Independent loading	Samples can be added/removed independently during runs
18	Nuclei isolation	Compatible with single-nuclei isolation workflows
19	Homogenization output	Suitable for RNA, DNA, protein, organelle and pathogen extraction
20	Perfusion capability	Support for <i>ex vivo</i> perfusion workflows using perfuser
21	User interface	Integrated touchscreen with program filtering & control
22	User profiles	+50 user profiles creation with pin code lock facility
23	Data handling	Log file export via USB for traceability

24	Noise specification	Noise level compliance (<70 dB recommended)
25	Software updates	User-installable firmware updates via USB
26	Regulatory compliance	CE, UKCA, FCC, EN61010-1/-2/-010/-051 compliant
27	Market validation	≥1000 peer-reviewed publications across multiple journals
28	Manufacturer support	OEM-provided service, IQ/OQ, and certified service contracts
29	Consumable ecosystem	Dedicated OEM consumables and kits only
30	Warranty	One year warranty
31	Support	Formal training/demo must be given by the qualified engineers without any charges after installation
32	Breakdown assistance	Service call within 48 hours of complaint registration
33	No of installations	>75 installations across India
34	Point of contact	Bangalore based personnel as point of contact for quick response.

## **Section 5: Technical Bid**

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

The Chairperson,

Attn: Dr. Ajay Tijore

Department of Bioengineering

TCS Smart-X Hub Building

Indian Institute of Science, Bangalore

India 560012

## Annexure-1

### Details of the bidder

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

#### Details of the Bidder

Sl. No.	Item	Details
1	Name of the bidder	
2	Nature of Bidder (Attach an 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,  
Attn: Dr. Ajay Tijore  
Department of Bioengineering,  
TCS Smart-X Hub Building  
Indian Institute of Science, Bangalore,  
India 560012.

Ref: Tender No: XXXXXXXXXXX

Dated: XXXXX

Dear Sir/Madam

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

(Signature of the Bidder)

Printed Name

Designation, Seal

Date:

### Annexure-3

#### Declaration regarding track record

To,  
The Chairperson,  
Attn: Dr. Ajay Tijore  
Department of Bioengineering  
TCS Smart-X Hub Building  
Indian Institute of Science, Bangalore,  
India 560012

Ref: Tender No: XXXXXXXX

Dated: XXXXX

Dear Sir/Madam,

I've carefully reviewed the Terms & Conditions in the tender referenced above. 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'm a competent officer in my company/firm to make this declaration.

Or

I declare the following

Sl. No.	Country in which the company is Debarred /blacklisted / case is Pending	Blacklisted/debarred by Government / Semi Government/Organizations/Institutions	Reason	Since when and for how long
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(NOTE: In case the company/firm was blacklisted previously, please provide the details regarding the period for which the company/firm was blacklisted and the reason/s for the same).

Yours faithfully

(Signature of the Bidder)

Name

Designation, Seal

Date

## Annexure-4

### Declaration for acceptance of terms and conditions

To,  
The Chairperson,  
Attn: Dr. Ajay Tijore  
Department of Bioengineering  
TCS Smart-X Hub Building  
Indian Institute of Science, Bangalore  
India 560012

Ref: Tender No: XXXXXX

Dated: XXXX

Dear Sir/Madam,

I've carefully reviewed the Terms & Conditions outlined in the tender document referenced above. I declare that all the provisions of this tender document are acceptable to my company. I further certify that I'm 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:

- a. Company Name
- b. Product Name
- c. Part / Catalogue number
- d. Product description / main features
- e. Detailed technical specifications
- f. Remarks

Instructions to bidders:

1. The bidder should provide technical specifications of the quoted product/s in detail.
2. The bidder should attach product brochures along with the technical bid.
3. Bidders should clearly indicate compliance or non-compliance with the technical specifications provided in the tender document.

## **Annexure 6 – Support Certification**

### **Declaration for instrument support**

To,  
The Chairperson,  
Attn: Dr. Ajay Tijore  
Department of Bioengineering  
TCS Smart-X Hub Building  
Indian Institute of Science, Bangalore  
India 560012

Ref: Tender No: XXXXXX

Dated: XXXX

Dear Sir/Madam,

I've carefully reviewed the Terms & Conditions outlined in the tender document referenced above. I declare that the model quoted has not been discontinued by our organization and the repair parts will be available for at least another five years. I further certify that I'm 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 should be furnished with all requirements of the tender, with supporting documents as mentioned under:

S. No.	Description	Cat. Number	Quantity	Unit Price	Sub Total
1.	Essential items noted in the technical specification				
1a	...(details of essential items)				
1b	...				
2.	Optional items noted in the technical specification				
2a	...(details of Optional items)				
2b	...				
3.	Accessories for operation and installation				
4.	All Consumables, spares and software to be supplied locally				
5.	Warranty (1 year)				
6.	Cost of Insurance and air freight				
7.	CIP/CIF IISc, Bengaluru				

Any additional items

S. No.	Description	Cat. Number	Quantity	Unit Price	Sub Total

Addressed to

The Chairperson,  
Attn: Dr. Ajay Tijore  
Department of Bioengineering  
TCS Smart-X Hub Building  
Indian Institute of Science, Bangalore  
India 560012

## **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 the authorized signatory and sealed) with the following annexures:
  - a. Annexure 1: Bidders’ details
  - b. Annexure 2: Declaration regarding experience
  - c. Annexure 3: Declaration regarding clean track record
  - d. Annexure 4: Declaration for acceptance of terms and conditions
  - e. Annexure 5: Details of items quoted
  - f. Annexure 6: Support Certification
2. Copy of this tender document duly signed by the authorized signatory on every page and sealed.

### **B. Sealed Envelope “B”: Commercial Bid**

Section 6: Commercial Bid

Your quotation must be submitted in two envelopes: Technical Bid (Envelope A) and Commercial Bid (Envelope B), with Tender No. super scribed on both envelopes and the due date, both in sealed covers and put in a bigger cover which should also be sealed and duly superscribed with Tender No., Tender description & Due Date.