

Notice Inviting Tender

Domestic Tender

Supply and installation of Cryostat and Microtome at the Microtome Facility, IISc

Tender No. Biological Science-IISc/Microtome/2024-25/01



Indian Institute of Science

Microtome Facility
Division of Biological Sciences
Indian Institute of Science
Bangalore — 560012

September 2024

Table of Contents

1	Section 1	Bid Schedule	
2	Section 2	Eligibility Criteria	As specified by IISc
3	Section 3	Terms and Conditions	As specified by IISc
4	Section 4	Specification	Technical Specifications
5	Section 5	Technical Bid	Annexure 1: Bidder details
			Annexure: 2 Declaration of regarding experience of bidder
			Annexure: 3 Declaration of regarding clean track record by the bidder
			Annexure: 4 Declaration of acceptance to tender
			Annexure: S Terms and conditions Details of items quoted
6	Section 6	Commercial Bid	Quotation with Price, Technical specifications of the Equipment

SECTION 1 – Bid Schedule

1	Tender Number	Biological Science-IISc/Microtome/2024-25/01
2	Tender date	3 rd September, 2024
3	Item description	Cryostat and Microtome at Microtome Facility, IISc
4	Quantity	01 Number (One of each)
5	Tender Type	Two Bid System Technical Bid (Part-A) Commercial Bid (Part-B)
6	Place of Submission and tender opening	The Dean, Division of Biological science, Indian Institute of Science Bangalore, Karnataka – 560012, India
7	Last Date & Time for submission of tender	25 th September, 2024
8	Date of opening of technical bids	1 st October, 2024
9	For further clarification	1. The Dean Division of Biological science, Indian Institute of Science Bangalore, Karnataka – 560012 India Email: uvr@iisc.ac.in 2. Prof. Srimonta Gayen Convenor, Microtome Facility, Division of Biological science, Indian Institute of Science Bangalore, Karnataka – 560012 India Email: srimonta@iisc.ac.in

SECTION 2 - ELIGIBILITY CRITERIA

Prequalification criteria:

1. The Bidder's firm should have existence for a minimum of 5 years. (Enclose Company Registration Certificate).
2. The Bidder should have qualified technical service personnel for the instrument(s) based in India.
3. If the Bidder is a local distributor/dealer/Agent, it is mandatory to attach authorization certificate along with the bid from the original equipment manufacturer.
4. The bidder should sign and submit the declaration for Acceptance of Terms and Conditions as per - Annexure 4.
5. 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.
6. The quotations should be on FOR-IISc Bangalore basis in INR only.
7. 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%.
8. 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.
9. Purchase preference as defined by the recent edits to GFR (within the "margin of purchase preference") will be given to the Class-1 supplier.
10. 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 tender should be in English.
2. Tender should be submitted in two envelopes (two bid system).
 - a. Technical Bid (Part-A) -
Technical bid consisting of all technical details, checklist for conformance to specifications, format in which the price bid is quoted without the actual prices (suppliers who include any indication of prices in the technical bid will be automatically disqualified).
 - b. Commercial Bid (Part-B) -
Indicating item-wise price for the items mentioned in the technical bid, as per the format of quotation provided in the tender, and other commercial terms and conditions.
3. The technical bid and price bid should each be placed in a sealed cover, superscripting on both the envelopes the tender No. and the due date and both these sealed covers are to be placed in a bigger cover which should also be sealed and duly superscripted with the Tender No & Due Date.
4. The SEALED COVER superscripting tender number / due date & should reach “The Dean, Microtome Facility, Division of Biological Sciences, Indian Institute of Science, Bangalore, Karnataka- 560012, India” on or before due date mentioned in the tender notice. In case due date happens to be holiday the tender will be accepted and opened on the next working day. If the quotation cover is not sealed, it will be rejected.
5. GST/other taxes, levies etc., are to be indicated separately. The BIDDER should mention GST Registration and PAN in the tender document (Indian Bidders only).
6. If price is not quoted in Commercial Bid as provided in tender document the bid is liable to be rejected.
7. 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 there by incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders.
8. Incomplete bids will be summarily rejected.

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 rights:

- a. To accept OR reject 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, offer not confirming to the tender terms.

C) Validity of the Offer:

The offer shall be valid 120 Days from the date of opening of the commercial bid.

D) Evaluation of Offer:

1. The technical bid (Part A) will be opened first and evaluated.
2. Bidders meeting the required criteria as stated in Section 2 of this document shall only be considered for Commercial Bid (Part B) opening. Further, agencies not furnishing the documentary evidence as required 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 technical evaluation or during commercial evaluation. The decision in regard to acceptance and / or rejection of any offer in part or full shall be the sole discretion of IISc Bangalore, and decision in this regard shall be binding on the bidders.
4. The award of 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. Lowest bid will be calculated based on the total price of all items tendered for Basic equipment along with accessories for installation, operation, pre-processing and post processing, optional items, recommended spares, warranty, annual maintenance contract.

E) Pre-requisites:

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

H) Warranty:

The complete system is to be under warranty for a period of a minimum of 1 year.

I) Comprehensive/Annual Maintenance Contract:

A comprehensive/annual maintenance contract for 2 years post-warranty period should be provided without any cost to Institute.

J) Purchase Order:

1. The order will be placed on the bidder whose bid is accepted by IISc based on the terms & conditions mentioned in the tender document.

2. The quantity of the items in tender is only indicative. IISc, Bangalore reserves the right to increase /decrease the quantity of the items depending on the requirement.
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.

K) Delivery and Installation:

The bidder shall provide the lead time to delivery, installation and made functional at IISc, Bangalore from the date of receipt of purchase order. The system should be delivered, installed and made functional within 90 days from the date of receipt of purchase order. The supply of the items will be considered as effected only on satisfactory installation and inspection of the system with all the items and features/capabilities tested by the IISc, Bangalore. After successful installation and inspection, the date of taking over of entire system by the IISc, Bangalore shall be taken as the start of the warranty period.

L) Payment Terms:

The payment will be through a Letter of Credit and milestone of the payment will be determined after the mutual discussions with the successful bidder.

M) Statutory Variation:

Any statutory increase in the taxes and duties subsequent to 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.

N) Disputes and Jurisdiction:

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

O) General:

1. All amendments, time extension, clarifications etc., within the period of submission of the tender 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, which is necessary to establish capabilities to successfully complete the envisaged work. It is however, advised not to furnish superfluous information.
3. 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 of work in IISc, Bangalore.

Section 4 - User Requirement Specification

Technical Specification for Microtome

Description
<ol style="list-style-type: none">1. Manual Rotary Imported Microtome should have specimen feed system and stroke mechanism equipped with slack-free and maintenance-free cross roller bearings and housed in a polymer housing and protected against dust just like the coarse feed system.2. Microtome should have Specimen object feed of 25 mm and vertical stroke length of 59 mm, and blade holder setting angle upto 10° with marking of 0, 5 and 10° in the blade holder.3. Microtome should have the hand wheel that can be locked into place in upper position via hand wheel handle. In addition, possible to lock the hand wheel in any position via clamping lever on the baseplate.4. Microtome should have the coarse feed which is actuated via the coarse feed wheel on the left side of the instrument.5. Microtome user should have flexibility to select the coarse feed wheel direction of rotation depending on the requirements (clockwise or counter-clock wise)6. Microtome should be accurately balanced by means of a counterweight and Sectioning to be done manually by rotating the easy-to-move hand wheel.7. Microtome should have section thickness to set via a rotary knob and can be read accurately in the viewing window.8. Microtome should have Section thickness feed to the specimen from 0.5µm to 60µm with increments & indicate by visual display with following section thickness setting:<ol style="list-style-type: none">a. from 0 - 2 µm in 0.5 µm incrementsb. from 2 - 10 µm in 1 µm incrementsc. from 10 - 20 µm in 2 µm incrementsd. from 20 - 60 µm in 5 µm increments9. For better maintenance & long durability, Microtome should have a slit cover to prevent section waste from entering into the interior of the instrument10. Microtome should have mechanical trimming function with dedicated Nob key lever with selection as 10 µm & 50 µm.11. To protect knife & specimen, Microtome should have specimen retraction of approx. 20 µm in the return stroke, and has to be user selectable to be turned on or off as per requirement.12. Imported Microtome should have hand rest for easy sectioning & handle with locking mechanism13. Microtome should have wheel balanced system which makes rotating the

- hand wheel extremely smooth and light and avoids microtome vibrations.
14. Imported Microtome should have precise specimen orientation of 8° in X-Y and rotation of ± 90° with anti-tilt feature
 15. Knife holder base with lateral displacement compatible for both types of disposable blades for High profile and low profile blades (2-in-1) setting.
 16. Microtome disposable blade holder should have finger guard protection.
 17. Microtome knife holder base should have lateral movement North-south: ± 24 mm and East-west movement ± 20 mm
 18. Imported Microtome should have 12 O' Clock locking by simply pulling the handle so rest the specimen holder at upper position for fixation of another block.
 19. Imported Microtome should have the Slot cover to protect the interior of the instrument from sectioning debris.
 20. Imported Microtome should be provided & compatible with standard specimen clamp and universal cassette clamp.
 21. Imported Microtome should be designed & manufactured to new advanced latest safety concept and CE or CSA or US-FDA Registration Mandatory.
 22. Microtome should have an static tray for waste collection.

Technical Specification for Cryostat

Description

1. Freely standing Cryostat with chamber temperature down to -35 degree C
2. 8 samples may be stored in Quick freeze shelf towards cooling and the temperature of the same would be -40 degree C
3. Maintenance free microtome with section thickness setting from 1 to 100 micron
4. Maximum specimen size of 55 mm diameter
5. -60 degree C temperature can be achieved in peltier element cooling area AND maximum 2 specimens can be subjected for instant cooling to avoid artefacts
6. Fully encapsulated microtome for maintenance free reliability
7. Glass anti-roll guide with antistatic feature to facilitate perfect stretching of sections
8. Electronic locking key to avoid any inadvertent changes in program setting
9. UVC surface disinfection/ ozone disinfection is user selectable either 30 mts or 120 mts ensure protection and end user safety
10. Blade holder with finger guard assures user safety
11. Vertical stroke length of 59 mm and horizontal specimen feed is 25 mm Electric coarse feed with 2 speeds-slow 500-600um/ sec and rapid 800-900um/sec
12. Micromotor's stepper motor feed in ensures precise and high quality thin

sections

13. Specimen orientation of 8 degree in x,y,z directions
14. Automatic 24 hours hot gas defrosting maximum 12 minutes duration
15. Disposable blade holder system with lateral displacement and integrated glass anti roll guide
16. Closed drainage system to allow controlled disposal of fluids.
17. There should be storage inside the Cryochamber.
18. There should be language independent intuitive module
19. There should be option for 180 min UV cycle
20. Ag protect Nano silver coating limits bacterial growth on external surfaces reduces risks towards infections equipment)
21. The Equipment/ System should comply to US FDA registration, European CE, BIS/ ICMED certification. Please attach copy of the certificate(s).
22. Warranty- 01 Years
23. Installation base should be minimum 10 in India.
24. Maintenance contract should be with Manufacture only (not with dealers).
Details of Manufacturer to be provided.

Note:

- 1. The vendor should visit the site and make a detailed drawing. Inferior designs will be rejected.**
- 2. The instruments should fit in the available floor area at installation site.**
- 3. The vendor will be responsible for the complete installation, testing and handover.**
- 4. Accessories: Required, if any has to be provided by successful bidder**
- 5. Training and demonstration:**
Training on usage of the machine (hardware) must be demonstrated by the successful bidder free of cost at bidder's cost to the end users at IISc, Bangalore.

-----END OF SECTION-----

Section 5: Bid

The bid should furnish all requirements of the tender along with all annexure in this section and submitted to

“The Dean
Division of Biological science,
Indian Institute of Science Bangalore,
Karnataka – 560012
India”

Annexure-1:

Details of the Bidder

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

Sr. No.	Name of the Bidder	
1.	Nature of Bidder (Attach attested copy of Certificate of Incorporation/ Partnership Deed)	
2	Registration No/ Trade License, (attach attested copy)	
3	Registered office address	
4	Address for communication	
5	Contact person- Name and designation	
6	Telephone number	
7	Website and email ID	
8	PAN No. (attach copy)	
9	GST No. (attach copy)	

Signature of the Bidder

Name

Designation and Seal

Date:

Annexure-2:

Declaration regarding experience

To,

The Dean
Division of Biological science,
Indian Institute of Science Bangalore, Karnataka – 560012
India

Ref: Tender No: XXXXXXXXXXX Dated: XXXXX

Supply and installation of Cryostat and Microtome at Microtome Facility, IISc

Respected Dean,

I have carefully gone through the Terms and conditions contained in the above referred tender. I hereby declare that my company / firm has ---- years of experience in supplying and installing Automatic cage washer.

(Signature of the Bidder)

Name

Designation and Seal

Date:

Annexure-3:

Declaration regarding track record

To,

The Dean
Division of Biological science,
Indian Institute of Science Bangalore, Karnataka – 560012
India

Ref: Tender No: XXXXXXXX

Dated: XXXXX

Supply and installation of Cryostat and Microtome at the Microtome Facility, IISc

I have carefully gone through the Terms & Conditions contained 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'm 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 period for which the company / firm was blacklisted and the reason/s for the same).

Yours faithfully

Signature of the Bidder

Name

Designation and Seal

Date:

Annexure - 4:

Declaration for acceptance of terms and conditions

To,

The Dean
Division of Biological science,
Indian Institute of Science Bangalore, Karnataka – 560012
India

Ref: Tender No: XXXXXX

Dated: XXXX

Supply and installation of Cryostat and Microtome at the Microtome Facility, IISc

I have carefully gone through the Terms & Conditions as 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'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 the items quoted:

Company Name	
Product Name	
Part/Catalogue number	
Product description/main features	
Detailed technical specification	
Remarks	

Instructions to bidders:

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

Section 6: COMMERCIAL BID

The commercial bid should be furnished with all requirements of the tender with supporting documents as mentioned under:

Sr. No.	Description	Catalogue No.	Quantity	Unit Price	Sub Total
1	Equipment Price				
2	Accessories for operation and installation				
3	All Consumables, spares and software to be supplied locally				
4	Warranty 1 Years (CMC/AMC for 2 years post warranty)				
5	FOR IISc, Bangalore				

Buyback, if any

Sr. No.	Description	Quantity	Unit Price	GST	Total

Addressed to,

To,

The Dean
Division of Biological science,
Indian Institute of Science Bangalore, Karnataka – 560012
India

SECTION 7 - CHECK LIST

(This should be enclosed with technical bid- Part A)

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

1. Envelope "A": Technical Bid

- a. Section 5- Technical Bid (each page signed by the authorized signatory and sealed) with the below annexures:

Annexure 1: Bidders details

Annexure 2: Declaration regarding experience

Annexure 3: Declaration regarding clean track record

Annexure 4: Declaration for acceptance of terms and conditions

Annexure 5: Details of items quoted

- b. Copy of this tender document duly signed by the authorized signatory on every page and sealed.

2. Envelop "B": Commercial Bid

Section 6: Commercial Bid

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