

Domestic tender for the Ultrasonicator

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Section 1 - Bid Schedule

1	Tender No	DBG/FST/IISc/10/2025
2	Tender Date	09.10.2025
3	Item Description	Ultrasonicator
4	Tender Type	Two-bid system (i) Technical Bid (Part A) (ii) Commercial Bid (Part B)
5	Place of tender submission	Chair DBG Dept of developmental biology and genetics Biological Science building IISc Bangalore 560012
6	Last Date & Time for submission of tender	30.10.2025 by 4 pm (3 weeks from the tender date)
7	For further clarification	Prof. Srimonta Gayen Dept of Developmental Biology and Genetics Indian Institute of Science, Bangalore 560012 Email : srimonta@iisc.ac.in , chair.dbg@iisc.ac.in

Section 2 – Eligibility Criteria

Prequalification criteria:

1. The Bidder's firm should have existed for a minimum of 8 years. (Enclose Company Registration Certificate)
2. The bidder must have supplied similar equipment to the Indian Institute of Technology (IIT) or Indian Institute of Science (IISc) in the last two (2) years. User testimonials, contact details, and proof of supply (PO or letter from the user) shall be furnished. IISc reserves the right to independently verify the machine performance with the users, where the bidder has previously supplied.
3. 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%.
4. Purchase preference, as defined by the recent edits to GFR (within the "margin of purchase preference") will be given to the Class-1 supplier.
5. The bidder should sign and submit the declaration for Acceptance of Terms and Conditions as per Annexure 4.
6. 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.

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 and checklist for conformance to technical specifications. The proposal should contain a compliance table with **4 columns** in addition to the ones in the technical requirements table that has been included with this RFQ below. The compliance table should include all the items in the same order and format. The first column should describe your compliance in a “Yes” or “No” response. If “No” the second column should state the extent of deviation. The “third” column should state the reasons for the deviation, if any. The fourth column can be used to compare your tool with that of your competitors or provide details as requested in the technical requirements table below. (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.
 - c. The technical proposal should contain a **technical compliance table with 4 columns**. The first column must list the technical requirements and other requirements, in the order that they are mentioned below. The second column should provide specifications of the instrument against the requirement (please provide quantitative responses wherever possible). The third column should describe your compliance with a “Yes” or “No” only. Ensure that the entries in column 2 and column 3 are consistent. The fourth column can contain additional remarks. You can use this opportunity to highlight technical features, qualify responses of previous columns, or provide additional details.
3. 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.
4. The SEALED COVER superscribing tender number / due date & should reach **DBG office, Biological science building, Indian Institute of Science, Bangalore – 560012**, India on or before the due date mentioned in the tender notice. In case the 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. All queries are to be addressed to the person identified in “Section 1 – Bid Schedule” of the tender notice.
6. 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).
7. 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.
8. 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.
9. Incomplete bids will be summarily rejected.
 10. The quote should come only from an Indian Original Equipment Manufacturer (OEM) or their Indian authorized distributor.
 11. The quotations should be on FOR-IISc Bangalore basis in INR only.
 12. 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 services such as transportation, insurance, installation, commissioning, training, and other sales service support like AMC/CMC, etc., as local value addition.

13. MSMEs can seek an exemption to some qualification criteria. IISc follows GFR2017 for such details

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 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, offer not confirming 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 Offer:

1. The technical bid (Part A) will be opened first and evaluated.
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 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 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 that 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 the 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 selected for installation, operation, preprocessing and post-processing, optional items, recommended spares, warranty, annual maintenance contract.

E) Pre-requisites:

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

F) Warranty:

The complete system is to be under a warranty period of a minimum of **4 years**, including free supply of consumables, spare parts, and data analysis software from the date of functional installation. If the instrument is found to be defective, it has to be replaced or **rectified at the cost of the bidder within 7 days** from the date of receipt of written communications from IISc, Bangalore. If there is any delay in replacement or rectification, the warranty period should be correspondingly extended.

G) Annual Maintenance Contract:

An annual maintenance contract (AMC) for 4 years post-warranty should be provided on completion of the warranty period. All parts/spares of the supplied machine must be made available for at least 12 years from the date of the machine installation. The AMC rate must be mentioned as an optional item in the financial bid.

H) 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 the 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.

I) Delivery, Installation, and Training:

The bidder shall provide the lead time to delivery, installation and made functional at IISc, Bangalore from the date of receipt of the purchase order. **Shipment of the machine, delivery, unloading, and installation are within the scope of the successful bidder.** The system should be **delivered, installed, and made functional within 60 days (2 months) from the date 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 taking over of the entire system by the IISc, Bangalore, shall be taken as 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.

J) Payment Terms:

The payment will be through bank transfer after successful delivery, installation and training.

K) Statutory Variation:

Any statutory increase in the taxes and duties after 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) 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.

M) General:

1. All amendments, time extensions, 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 that is necessary to establish capabilities to 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. All imported equipment should be quoted in the currency of the country of origin, and all locally sourced items should be quoted in **Indian Rupees (INR)**.
5. 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.
6. **The selected vendor must register with IISc (free registration) before tender submission if not already registered. The vendor code shall be mentioned in the quotation. As per the purchase policy, purchase orders can be raised only to registered vendors. Registration can be done at the following link: <https://hellovendor.iisc.ac.in> Instructions are given here: <https://digits.iisc.ac.in/vip/>**

Section 4 – Technical Specifications

Technical Specifications of Ultrasonicator

1. The instrument should support DNA, RNA and chromatin fragmentation in the desired size range
2. The sonicator must be used for the consistent DNA/RNA shearing to a wide range of target sizes.
3. The sonicator should support cell and tissue disruption for RNA and protein extraction
4. The instrument must efficiently isolate high-quality soluble chromatin that can be IP'ed for downstream application.
5. Must be used for DNA/RNA extraction from formalin-fixed, paraffin-embedded (FFPE) Tissue Samples, dried blood spots (DBS), and whole blood.

6. The instrument must allow the efficiency of cellular lysis independent of buffer constituents and thus provides the flexibility to homogenize cells and efficiently extract proteins, RNA, DNA, Metabolites, or other targets in buffers optimized for downstream analytical methods.
7. Must be used with Next generation sequencing workflow.
8. Must permit sonication between 20ul up to 1ml sample volume.
9. The instrument must be provided with holders for 20ul up to 1ml sonication tubes
10. System should have integrated chiller for temperature control and automated water bath management.
11. System should shear the sample without heat induced damage to samples.
12. The instrument should have a low noise level without the need for soundproof accessories.
13. Standard and reproducible protocols should be available for DNA, RNA and chromatin sonications.
14. Sonication tubes for 20ul to 1ml (100 reactions each) shall be provided along with the machine.
15. System should be supplied with one year standard warranty.

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:

Prof. Srimonta Gayen,
Dept of DBG
Indian Institute of Science
Bangalore – 560012, India

Annexure-1
(Print on company letterhead)

Date:

Details of the Bidder

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

Details of the Bidder

Sl. No	Items	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.	Contact person- Name and Designation	
7.	Telephone No	
8.	Email ID	
9.	Website	
10.	PAN No. (attach copy)	
11.	GST No. (attach copy)	

Signature of the Bidder

Name
Designation, Seal

Date:

Annexure-2
(Print on company letterhead)

Date:

Declaration regarding experience

To,
Prof. Srimonta Gayen
GE 14, Dept of DBG
Indian Institute of Science
Bangalore – 560012, India

Ref: Tender No: XXXXXXXXX
Dated: XXXXX

Description : Ultrasonicator

Sir,

I've carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company / firm has----- years of experience in supplying and installing this item.

(Signature of the Bidder)
Printed Name
Designation, Seal Date:

Annexure-3
(Print on company letterhead)

Date:

Declaration regarding track record

To,
Prof. Srimonta Gayen
GE 14, Dept of DBG
Indian Institute of Science
Bangalore – 560012, India

Ref: Tender No: XXXXXXXX
Dated: XXXXX

Description : Ultrasonicator

Sir,
I've 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 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

(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, Seal

Date:

Annexure – 4
(Print on company letterhead)

Declaration for acceptance of terms and conditions

To,
Prof. Srimonta Gayen,
lab No : GE 14
Dept of Developmental Biology and Genetics
Indian Institute of Science
Bangalore – 560012, India

Ref: Tender No: XXXXXX
Dated: XXXX

Description : Ultrasonicator

Sir,

I've 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 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. 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

(Print on company letterhead)

Date:

Vendor code (IISc registered):

Tender reference number:

The Chair,
Attn: Prof. Srimonta Gayen,
GE 14, Dept of DBG
Indian Institute of Science
Bangalore – 560012, India

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

S.No	Item Description	Cat. Number	Quantity	Unit Price	Sub total
1.	Ultrasonicator (<i>mention full specifications</i>) Warranty: 4 years on all parts, spares, and the main machine				
2.	Furnace (<i>mention full specifications</i>) Warranty: 4 years on all parts, spares, and the main machine				
3.	Computer system with preinstalled MS Word and other essential software (<i>mention specifications</i>) Warranty: 4 years on all parts, spares, and the main machine				
4.	Sample holder (<i>mention specifications</i>) Warranty: 4 years on all parts, spares, and the main machine				
5.	Protection tubes (<i>mention specifications</i>) Warranty: 4 years on all parts, spares, and the main machine				
	GST @ 18%				
	Grand total (INR)				

Any optional items

S.No	Description	Cat. Number	Quantity	Unit Price	Sub total
	AMC rate (per year)				

Signature and seal of the bidder

Section 7 – Checklist

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

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

1. Sealed Envelope “A”: Technical Bid

- 1. Section 5- Technical Bid (each page signed by the authorized signatory and sealed) with the below 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**
- 2. Copy of this tender document duly signed by the authorized signatory on every page and sealed.**

2. 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) 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., Tender description & Due Date.

*(To be submitted In the company letter head by supplier)

Declaration of Local Content by Local supplier

Subject: Public Procurement (Preference to Make In India)

References:

Preference to Make in India including counter offering will be as per the Public Procurement (Preference to Make in India), Order 2017 available in the following links <https://dipp.gov.in/public-procurements>

http://dipp.nic.in/sites/default/files/publicProcurement_MakeinIndia_15June2017.pdf

http://dipp.nic.in/sites/default/files/Revised-PPP-MII-Order-2017_28052018.pdf

https://dipp.gov.in/sites/default/files/PPP-MII%20Order%20dt%2029th%20May%2019_0.pdf

<https://dipp.gov.in/sites/default/files/PPP%20MII%20Order%20dated%204th%20June%202020.pdf>

We hereby declare with reference to above subject and references that

M/s ----- (Tick whichever is applicable as below)

"Class-I local supplier" meeting the requirement of minimum local content equal to 50% (fifty percent) or more defined in the above government notification for the goods and services

(or)

"Class-II local Supplier" meeting the requirement of local content 20% to less than 50% (fifty percent) defined in the above government notification for the goods and services

(or)

Non Local supplier (If not belonging to Class-I & Class-II)

Please mention the details against the following:

Enquiry no:----- dated. -----

Type of Supplier (Class-I/Class-II)

Product:-----

Project:.....

Details of location at which local value addition will be made is as follows:

We also understand that the false declarations will be in breach of the code of Integrity under rule 175(1)(i)(h) of the General financial rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

Authorized Signature M/s-----

(Signature and seal)

Place:.....

Date:.....