

# Notice Inviting Global Tender

Supply and Installation of  
“MULTICOLOUR BENCHTOP FLOW CYTOMETER ANALYSER”  
at Divisional Flow Cytometry Facility, IISc.

**Tender No. IISc/DBS/FACS-01/2024**



Indian Institute of Science

**04 September 2024**

Divisional Flow Cytometry Facility,  
GC-03, Ground Floor, C Wing,  
Biological Sciences Building,  
Indian institute of Science – Bangalore-560012

## Global Tender

This is a Request for Quote (RFQ) from the Indian Institute of Science (IISc), Bangalore, for the supply and installation of a “**MULTICOLOUR BENCHTOP FLOW CYTOMETER ANALYSER**” at Divisional Flow Cytometry Facility, Biological Sciences Building, IISc Bangalore.

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	Specifications	Technical Specifications
5	Section 5	Technical Bid	Annexure 1: Details of the Bidder
			Annexure 2: Declaration regarding experience
			Annexure 3: Declaration regarding track record of the Bidder
			Annexure 4: Declaration for acceptance of terms and conditions
			Annexure 5: Details of items quoted:
6	Section 6	Commercial Bid	Quotation with price, Technical Specifications of the Equipment

## Notice Inviting Tender

### SECTION 1 – BID SCHEDULE

1	Tender No	IISc/DBS/FACS-01/2024
2	Tender Date	04.09.2024
3	Item Description	Supply and Installation of “MULTICOLOUR BENCHTOP FLOW CYTOMETER ANALYSER”
4	Tender Type	Two Bid System a) Technical Bid (Part-A) b) Commercial Bid (Part-B)
5	Place of Submission and tender opening	Prof. Annapoorni Rangarajan, Convenor, Divisional Flow Cytometry Facility, Biological Sciences Building, Indian Institute of Science, Bangalore – 560012, India
6	Last Date & Time for submission of tender	26.09.2024 before 17:00 hrs (21 days)
7	For further clarifications	Prof. Annapoorni Rangarajan, Convenor, Divisional Flow Cytometry Facility, Biological Sciences Building, Indian Institute of Science Bangalore- 560012, India Email: anu@iisc.ac.in_with a copy to: munish@iisc.ac.in

## **SECTION 2 – ELIGIBILITY CRITERIA**

### **Prequalification criteria:**

- 1. The Bidder's firm should have existence for a minimum of 3 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.**

## SECTION 3 – TERMS AND CONDITIONS

### A) Submission of Tender:

1. All documentations 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 check list for conformance to technical specifications.

The technical proposal should contain a technical compliance table with 5 columns.

- i. The first column must list the technical requirements, in the order that they are given in the technical requirement below.
    - ii. The second column should provide specifications of the instrument against the requirement. Please provide quantitative responses wherever possible.
    - iii. 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.
    - iv. The fourth column should state the reasons/explanations/context for deviations, if any.
    - v. The fifth column can contain additional remarks from the OEM. You can use this opportunity to highlight technical features, qualify response of previous columns, or provide additional details, compare your solution with that of your competitors or provide details as requested in the technical requirements table below.
  - 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 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 Prof. Annapoorni Rangarajan, Convenor, Divisional Flow Cytometry Facility, Biological Sciences Building, Indian Institute of Science, Bangalore – 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. 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 price is not quoted in Commercial Bid as provided in 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.

**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 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 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. Also see section G.

**E) Pre-requisites:**

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

**F) Warranty:**

The complete system is to be under warranty period of minimum 3 years (year wise breakup value should be shown in the commercial bid) 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 30 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 for a period of at least 2 years post warranty should be provided on completion of warranty period. If the equipment cost is A, AMC is B, the lowest bid will be calculated as  $L1=A+5*B$ .

**H) Purchase Order:**

- A The order will be placed on the bidder whose bid is accepted by IISc based on the terms & conditions mentioned in the tender document.
- B 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.
- C 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 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 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 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 to the local facility technologists and users.

**J) Payment Terms:**

The payments to non-domestic vendors will be through a Letter of Credit and milestone of the payment will be determined after the mutual discussions with the successful bidder. As per GFR no advance payment can be made to domestic vendors, unless an equal amount of bank guarantee is provided.

**K) 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.

**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:**

- A 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.
- B 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.
- C The bidder may visit the installation site before submission of tender, with prior intimation.
- D 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.
- E 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.

**N) The bidder should consider buyback offer of existing Becton Dickinson FACS Analyser while quoting the price.**

## Section – 4 – Technical Specifications

### A) Technical Specifications of Multicolour Benchtop Flow Cytometer/Analyzer:

Sl.no	Specifications	Essential/Desirable	Remarks (By Vendor)
1	<p><b>System:</b> The system should be latest Benchtop Flow Cytometer and small footprint, suitable for Research applications with at least 4 lasers including 488 nm +/- 5nm: Blue Laser; 637 nm +/- 5nm: Red Laser; 561 nm +/- 5nm: Yellow-Green Laser; 405 nm +/- 5nm: Violet Laser</p> <p>The violet laser must have at least 5 or more detectors to accommodate high resolution violet dyes for multicolor flow cytometer and should have ultra-low electronic noise to provide best resolution.</p>	Essential	
2	The system should have the capability to simultaneously detect at least 16 colours & 18 parameters simultaneously including FSC, SSC.	Essential	
3	<b>Laser:</b> All installed lasers must have high detection sensitivity; to identify and analyze rare cell types and events for multicolor analysis (should have at least 80mW or more laser power)	Essential	
4	<b>Laser:</b> System must have at least 4 pin holes/ beam spots or more keeping in mind simultaneous firing of at least 4 lasers.	Essential	
5	<b>SPD:</b> The system should be equipped with a small particle detector module (SPD) to enable separation of particles of size at least 90 nm or lower from noise for small particle research (such as extracellular vesicles., viral particle, exosomes and more)	Essential	
6	<b>Singlet/Doublet discrimination:</b> Pulse Height, Area, and Width information should be available for all parameters simultaneously to be able to discriminate doublets based on size, granularity & fluorescence signals (like nucleic acid content etc).	Essential	
7	<b>Threshold:</b> Digital signal processing must allow threshold to be set on all available channels simultaneously in any combination of all available parameters during sample acquisition to eliminate unwanted population like cell debris, lysis resistant RBC etc	Essential	
8	<b>Optics:</b> For optimal performance, instrument must have inbuilt guide about the correct filters in case of filter/mirror change. All optics of the system must be fixed aligned or require minimum user level alignment for day to day operation	Essential	
9	<b>Tunable flow rates:</b> User must be able to increase sample input speed while maintaining data integrity.	Essential	
10	<b>Sample carryover:</b> The system should have a low sample carryover (<0.5%) for detection of rare cell populations.	Essential	
11	System must have an upgradable option for an automated sheath and waste fluid control system.	Desirable	



12	Accessories: The system should be a desktop based set up, with an ultra-wide 23-inch colour display for concurrent acquisition & analysis and should be supplied with the original copy of operating system, MS Office. Suitable UPS with minimum 30minutes backup-1 Qty., All in one color laser printer – 1Qty Software for offline analysis- 1 No or more	Essential	
13	Startup reagents kits including CST /Sphero beads, Sheath fluid and cleaning reagents	Essential	
14	Should be able to do compensation between all fluorescence channels with online as well as post-acquisition manually and must have auto-compensation features	Essential	
15	The system should be capable of running Baseline setting and performance monitoring.	Essential	
16	The instrument should have inbuilt QC feature that would help the user to check and track system performance and instrument variability.	Essential	
17	The system must be a closed architecture in order to avoid accidental exposure of lasers, optical paths and filter assembly	Essential	
18	To provide biohazard protection, system should have option to prevent dripping of sheath fluid from sample injection port and back flush option to prevent carryover of cells between samples.	Essential	
19	The proposed model should have prior installation in reputed government institute of India	Essential	
20	The Vendor should have direct presence in India and application & service team should be capable of providing complete bioinformatics / offline data analysis software support. Organogram with complete details of service and technical support available should be provided with contact information.	Essential	

**B) Training and demonstration:**

At least 2 or 3 training programs on usage of the machine (hardware and software) must be demonstrated by the successful bidder at bidder's cost to the end users at IISc, Bangalore

## **Section 5: Technical Bid**

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

**Prof. Annapoorni Rangarajan,  
Convenor,  
Divisional Flow Cytometry Facility,  
Biological Sciences Building,  
Indian Institute of Science  
Bangalore- 560012, India**

## Annexure-1:

### Details of the Bidder

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

### Details of the Bidder

SI 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 No	
7	Email ID	
	Website	
8	PAN No. (attach copy)	
9	GST No. (attach copy)	

### Signature of the Bidder

Name  
Designation, Seal

Date:

## **Annexure-2:**

### **Declaration regarding experience**

To,

**Prof. Annapoorni Rangarajan,  
Convenor,  
Divisional Flow Cytometry Facility,  
Biological Sciences Building,  
Indian Institute of Science  
Bangalore- 560012, India**

**Ref: Tender No: XXXXXXXXXX**

**Dated: XXXXX**

**Supply and Installation of Multicolour Benchtop Flow Cytometer/Analyzer at Divisional Flow Cytometry Facility, Biological Sciences Building.**

**Sir/Madam,**

**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 Installation of Multicolour Benchtop Flow Cytometer/Analyzer.**

**(Signature of the Bidder)  
Printed Name**

**Designation, Seal**

**Date:**

## Annexure-3:

### Declaration regarding track record

To,

Prof. Annapoorni Rangarajan,  
Convenor,  
Divisional Flow Cytometry Facility,  
Biological Sciences Building,  
Indian Institute of Science  
Bangalore- 560012, India

Ref: Tender No: XXXXXXXX

Dated: XXXXX

Supply and installation of Multicolour Benchtop Flow Cytometer/Analyzer at Divisional Flow Cytometry Facility, Biological Sciences Building.

Sir/Madam,

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 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	Black listed / 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, Seal

Date:

## **Annexure – 4:**

### **Declaration for acceptance of terms and conditions**

To,

**Prof. Annapoorni Rangarajan,  
Convenor,  
Divisional Flow Cytometry Facility,  
Biological Sciences Building,  
Indian Institute of Science  
Bangalore- 560012, India**

**Ref: Tender No: XXXXXX**

**Dated: XXXX**

**Supply and installation of Multicolour Benchtop Flow Cytometer/Analyzer at Divisional Flow Cytometry Facility, Biological Sciences Building.**

**Sir/Madam,**

**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:

<b>Company Name</b>	
<b>Product Name</b>	
<b>Part / Catalogue number</b>	
<b>Product description / main features</b>	
<b>Detailed technical specifications</b>	
<b>Remarks</b>	

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:

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

Any additional items

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

**Addressed to:**

**Prof. Annapoorni Rangarajan,  
Convenor,  
Divisional Flow Cytometry Facility,  
Biological Sciences Building,  
Indian Institute of Science  
Bangalore- 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. 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 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., Tender description & Due Date.**