

**GLOBAL TENDER notification for the procurement of**  
**High content screening system-imaging based high-throughput analysis**

Dear Sir/Madam:

This is an FRQ for procuring a “**High content screening system-imaging based high-throughput analysis**” for the Department of Biochemistry at the Indian Institute of Science (IISc), Bangalore. This RFQ is from Global equipment manufacturers.

Please send your quotation valid for 120 days for the supply of the equipment described below. Your quotation should clearly indicate the terms and conditions of the quotation, delivery, delivery schedule, entry tax, payment terms, warranty coverage, etc. The tender should be submitted in two separate sealed envelopes – one containing the “Technical bid” and other containing the “Commercial bid”, both of which should be duly signed and must reach the undersigned **on or before 5.00 p.m. on 4th Sep. 2025**.

**The Chair**  
**Department of Biochemistry**  
**Division of Biological Sciences**  
**Indian Institute of Science**  
**Bangalore-560012**  
**Karnataka, India**

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: Bidder details
			Annexure 2: Declaration regarding experience of bidder
			Annexure 3: Declaration regarding clean track record of the bidder
			Annexure 4: Declaration of acceptance of tender
			Annexure 5: Terms and conditions. Details of item quoted
6	Section 6	Commercial Bid	Quotation with Price, Technical specifications of the equipment

**Section 1- Bid Schedule**

1	Tender No	<b>BC/GENL/ 003/ 2025</b>
2	Tender Date	<b>13<sup>th</sup> August 2025</b>
3	Item Description	<b>High content screening system-imaging based high-throughput analysis</b>
4	Tender Type	<b>Two bid system</b> (i) <b>Technical Bid (Part A)</b> (ii) <b>Commercial Bid (Part B)</b>
5	Place of tender submission	<b>Department of Biochemistry Indian Institute of Science, Bangalore 560012</b>
6	Last Date & Time for submission of tender	<b>5.00 p.m on 4th Sep. 2025</b>
7	For further clarification	<b>Dr. Kesavardana Sannula Department of Biochemistry Indian Institute of Science Bangalore – 560012, India. Email: <a href="mailto:office.bc@iisc.ac.in">office.bc@iisc.ac.in</a></b>

## **Section 2 – Eligibility Criteria**

### **Prequalification criteria:**

1. The Bidder's firm should have existed for a minimum of 5 years. (Enclose Company Registration Certificate)
2. The bidder should sign and submit the declaration for Acceptance of Terms and Conditions as per -Annexure 4.
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 must be given as per Annexure 3.
4. Only the Original Equipment Manufacturer or their authorized representatives across the globe shall participate in the bid.
5. The order will be placed only on the bidder who participated in the bid.

### **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 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 Indian Original Equipment Manufacturer (OEM) or from their distributors. 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 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 superscripting tender number / due date & should reach the Department of Biochemistry, 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 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 per the format 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. The technical proposal must include references of at least 5 previous installations done within last 5 years of similar equipment from the equipment manufacturer. Please provide the names and contact addresses of the three independent referees, so that the committee can contact them independently to get references. Please provide the installation report.
10. 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 the 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 selected for installation, operation, pre-processing and post processing, optional items, recommended spares, warranty, annual maintenance contract.

9. All bidders are required to submit proper catalogue, technical literature. COPY paste of technical specification on catalogue will be rejected.

**E) Pre-requisites:**

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

**F) Warranty:**

Minimum 3 years of warranty of the full system including online UPS and computer. If the instrument is found to be defective, it must 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.

**Training and Warranty**

1. The bidder is completely responsible for delivering and installing the equipments at IISc, Bangalore.
2. Minimum 3 years of warranty of the full system including online UPS and computer.
3. The bidder should respond and take appropriate action within 48 hrs of raising complaints.

The above-mentioned technical specifications are highly desirable. However, lower technical specifications may be considered if the above-mentioned specifications are found to be unsuitable in financial terms. The Institute reserves the right to go for lower specifications taking into considerations its financial constraints and technical preferences.

**G) 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.

**H) 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 3 months 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.

**I) Payment Terms:**

100% payments (except AMC) will be released after completion of delivery and satisfactory installation subject to TDS as per rules. AMC cost (if ordered), after completion of warranty period will be released on half-yearly basis at the end of each six months subject to satisfactory services. As per GFR no advance payment can be made to domestic vendors, unless an equal amount of bank guarantee is provided.

**J) 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.

**K) Dispute 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.

**L) 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. The bidder may visit the installation site before submission of 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 of work in IISc, Bangalore.

## **Section 4 - Technical specifications**

### **Technical Specifications – High content screening system-imaging based high-throughput analysis**

1. The imaging system must be an infinity-corrected optical system with Royal Microscopical Society (RMS) threaded objectives with a 45 mm parfocal distance supporting fluorescence, brightfield, color brightfield, and phase contrast imaging modes.
2. The system must be a compact integrated unit including the microscope, digital cameras, computer, high power fluorescence lighting system for high magnification fluorescence imaging, live-cell imaging, 3D cell imaging (e.g., organoids, spheroids), immunohistochemistry (IHC) applications etc. In particular, the system should be compatible with 48 and 96 well microplates and should enable the software-based programming to capture images in these plate formats.
3. The system should support illumination through five-position chamber for 4 fluorescence illuminators plus brightfield imaging; light illuminators with integrated hard-coated filter set and LED light source with >50,000-hour life; broad selection of standard and specialty LED illuminators. LED illuminators must have independent intensity control.
4. The system should allow the following imaging methods - single color, multicolor, area scan with montage or tile stitch, time lapse, Z-stacking, movie capture.
5. The system should have a 60 mm LWD condenser with 4-position turret with a clear aperture and 3 phase annuli.
6. The system must include a motorized X/Y scanning stage with 120 mm x 80 mm travel range with submicron resolution. The stage should support drop-in inserts to receive vessel holders and lockdown holders to fix sample in place during long scans.
7. The system must have automated focus mechanism with submicron resolution.
8. The system must include automated 5 position objective turret with below objectives included for phase contrast and fluorescence (20X LWD, 0.45NA/6.23WD ,60X OIL NA1.42/WD0.15, 100XOIL NA1.45/WD0.13).
9. The system should have 04 (DAPI – 357/447 nm, GFP - 470/525 nm, RFP - 542/593 nm, Cy5 – 628/692 nm) independent high output LED illuminators to be supplied along with instrument. The LED illuminators must have independent intensity control.
10. The fluorescence LED illuminators must be single, interchangeable cubes that can be easily removed, installed and automatically recognized by the instrument software and adjust the configuration accordingly.
11. The system must include 2 cameras: an integrated high-sensitivity 3.2 MP or better (2,048 x 1,536) monochrome CMOS sensor with 3.45  $\mu$ m pixel resolution and high-sensitivity 3.2 MP or better (2,048 x 1,536) color CMOS sensor with 3.45  $\mu$ m pixel resolution.
12. The system must provide a one-click RGB channel overlay and should also be able to sequentially acquire a phase contrast image and a fluorescence image with a single mouse click, then overlay them automatically. Additionally, it should be capable of automated full plate scanning resolution, with auto-switching capabilities.
13. The system should be compatible and upgradable with the onstage incubator for precise control over temperature, humidity, and gas levels allowing a wide range of biological studies under physiological conditions.
14. The system must include a software with wizard-based workflows, and it must allow downloading of software updates from time to time at no additional cost.
15. The software should include pre-configured algorithms and analysis templates to support high content data analysis for common cell-based assays (cell viability, counting, colocalization etc).
16. The software should support 2D deconvolution for improving the single-plane image quality and contrast by effectively clearing the background from images.  
and necessary software should be provided. A GPU-accelerated version enabling faster deconvolution is desirable as it will enable processing of large image sets in lesser time.



17. The system should be compact with small footprint and preferred dimensions of (L x W x H) - 457 x 330 x 356 mm (18 x 14 x 13 in.).
18. The system should have networking capability and enable connection through Windows/SMB network via an Ethernet cable connection.
19. The captured images should be obtained in the following output file formats - 16-bit RAW monochrome: TIFF, PNG, 8-bit TIFF, PNG, JPG; Movies and time-lapse images in AVI, WMV.
20. The system should have the following output ports: Instrument: USB 3.1 Type B, 4-pin power port  
Computer: 1 x USB 3.1 Gen 2 Type C; 5 x USB 3.1 Gen 1 Type A; 4 x USB 2.0 Type A; 1 serial; 2 x DisplayPort 1.2; 1 RJ45; 2 PS/2; 1 UAJ; 1 line-out.
21. The display system included should be a 27 inch or better high-resolution touchscreen color monitor, which is also fully controllable via mouse; 3840 x 2610 resolution.
22. The system should be supplied with computer configuration external Dell™ PC with an Intel™ Core™ i9 processor, 128 GB DDR4 RAM, 2 TB solid-state drive, NVIDIA™ Quadro™ P1000 graphics card with NVIDIA Pascal GPU technology and 4 GB memory, and Windows™ 10 software, designed to operate with touchscreen monitor and microscope.
23. The system should come with a warranty of at least 3 years. The warranty should include visits for routine system checks (twice/thrice per year) and replacement of any damaged parts with no additional costs.

### **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 Chair**  
**Department of Biochemistry**  
**Division of Biological Sciences**  
**Indian Institute of Science**  
**Bangalore-560012**  
**Karnataka, India**  
Email: [office.bc@iisc.ac.in](mailto:office.bc@iisc.ac.in)

## **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 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:**

**Declaration regarding experience**

To,  
The Chair  
Department of Biochemistry  
Division of Biological Sciences  
Indian Institute of Science  
Bangalore-560012  
Karnataka, India

Ref: Tender No: XXXXXXXXXX Dated: XXXXX

Supply and installation of a “High content screening system-imaging based high-throughput analysis”  
at Biochemistry, IISc Bangalore

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----- (Signature of the Bidder)

Printed Name

Designation, Seal

Date:

**Annexure-3:**

**Declaration regarding track record**

To,  
The Chair,  
Department of Biochemistry,  
Division of Biological  
Sciences,  
Indian Institute of Science,  
Bangalore-560012,  
Karnataka, India

Ref: Tender No:  
XXXXXXXXXX Dated:  
XXXXXX

Supply and installation of a “High content screening system-imaging based high-throughput analysis”  
Biochemistry, IISc Bangalore 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 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:**

**Declaration for acceptance of terms and conditions**

To,  
The Chair,  
Dept. of Biochemistry,  
Indian Institute of Science, Bangalore – 560012, India

Ref: Tender No: XXXXXXXXXX Dated: XXXXX

Supply and installation of a “High content screening system-imaging based high-throughput analysis” at  
Department of Biochemistry, IISc Bangalore

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

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

Sl 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 (5 years)
6. AMC 3 years beyond warranty

Any additional items

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

Addressed to

**The Chair**  
**Department of Biochemistry**  
**Indian Institute of Science**  
**Bangalore – 560012, India**



## **Section 7 – Checklist (This should be enclosed with 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 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.**

### **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) 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.**