

**Tender notification for High Resolution Light Sheet with
Spectral Confocal Microscope Imaging capabilities**

Tender Number: (DBG/FST/IISc/09/2025/C)

Global Tender

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 the experience of the bidder
			Annexure 3: Declaration of track record
			Annexure 4: Declaration of acceptance of terms and conditions
			Annexure 5: Details of items quoted.
6	Section 6	Commercial Bid	Quotation with price, and technical specifications of the equipment.
7	Section 7	Checklist	

Section 1: Bid Schedule

1	Tender Number	DBG/FST/IISc/09/2025/C
2	Tender Date	22/09/2025
3	Item Description	High Resolution Light Sheet with Spectral Confocal Microscope Imaging Capabilities
4	Tender Type	Two bid system: (a) Technical Bid (Part A) (b) Commercial Bid (part B)
5	Place of tender submission	Kind attention: Chair, Department of Developmental Biology & Genetics, Indian Institute of Science Bengaluru - 560012,
6	Last Date and Time for tender submission	20/10/2025
7	Primary Point of Contact	Chair, Department of Developmental Biology & Genetics, Indian Institute of Science, Bengaluru -560012, India Email: chair.dbg@iisc.ac.in , office.dbg@iisc.ac.in

This is a Request for quote (RFQ) from the **Original Equipment Manufacturer (OEM) or their authorized Indian distributor** for the procurement of **High Resolution Light Sheet with Spectral Confocal Microscope Imaging Capabilities** at the Department of Developmental Biology & Genetics (DBG) in the Indian Institute of Science, Bangalore. All interested vendors shall submit a response demonstrating their capabilities to produce the requested equipment to the primary point of contact.

Section 2: Eligibility Criteria

Prequalification criteria:

1. The bidder should sign and submit the declaration for Acceptance of Terms and Conditions as per Annexure 4.
2. 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.
3. The System Catalogue should be produced with the Technical Bid. Original Invoice, Original Warranty Certificate, and Original Test Reports should be produced for all imported items from OEM (Original Equipment Manufacturer) at the time of supply of equipment.
4. Manufacturers should have an ISO or equivalent international standard certificate. Please attach the required certificate with the bid.
5. The supplier will support the user with all the spares for a minimum period of 5 years.
6. Details of experienced service engineers, including contact details, should be provided in the tender document.

Section 3: Terms and conditions

(A) Submission of Tender

1. All documentation in the tender should be in English.
2. Vendors will be required to submit a technical proposal and a commercial proposal in **two separate sealed envelopes** (two bid systems). The technical bid should contain all commercial terms and conditions, except the price. **Only vendors who largely meet the technical requirements will be considered for the commercial bid.**
3. **The technical bid** (Part A) must contain a point-by-point technical compliance document. The technical proposal should contain a compliance table with 5 columns.
 - a. The first column must list the technical requirements in the order that they are given in the technical requirements below.
 - b. The second column must provide the specification of the instrument against the requirement (please provide quantitative responses wherever possible)
 - c. The third column should describe the compliance with a “YES” or “NO” only. Ensure that the entries in column 2 and column 3 are consistent.
 - d. The fourth column should clearly state the reasons/explanations/context for deviations, if any.
 - e. The fifth column may contain additional remarks. It can be used to highlight the technical features, qualify the response of previous columns, or provide additional details.
4. **The 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. The commercial bid should indicate the following separately: (a) equipment price, (b) optional items, (c) Shipping cost, and (d) the Total cost.
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. The technical bid and price bid should each be placed in separate sealed covers, super scribing on both the envelopes a 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.
7. The SEALED COVER super scribing tender number / due date & should reach the Department of Developmental Biology & Genetics, 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 a holiday, the tender will be accepted and opened on the next working day. If the quotation cover is not sealed, it will be rejected.

8. All queries are to be addressed to the person identified in “Section 1: Bid Schedule” of the tender notice.
9. The purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to the award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders.
10. If the foreign bidder is represented by their Indian representatives, the foreign bidder must submit a certificate about their relationship with the Indian firm.
11. Incomplete bids will be summarily rejected.
12. In addition to what is listed in the technical table, the vendor would like to bring to the attention of the committee, such as data sheets, technical plots, etc., must be listed at the end of the compliance table. The committee will go through the data provided and that available on their website to evaluate the suitability.
13. The decision of the purchase committee will be final. The Institute reserves the right to accept or reject any bid or to annul the bidding process and reject all bids, at any time before the award of the contract, without thereby incurring any liability of the affected bidder or bidders.
14. Only the Original Equipment Manufacturer or their authorized representatives across the globe shall participate in the bid.
15. The order will be placed only with the bidder who participated in the bid.

(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, the offer not conforming to the tender terms.

(C) Validity of the Offer

The offer shall be valid for at least 120 Days from the date of opening of the technical 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 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 commercial evaluation. The decision regarding acceptance and/or rejection of any offer in part or full shall be the sole discretion of IISc Bangalore, and the decision in this regard shall be binding on the bidders.

4. The award of the contract will be subject to acceptance of the terms and conditions stated in this tender.
5. Any offer which deviates from the vital conditions (as illustrated below) of the tender is liable to be rejected:
 - a. Non-submission of complete offers.
 - b. Receipt of bids after 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 consider that the BIDDER had accepted the clauses as of the tender, and no further claim will be entertained.
7. No revision of the terms and conditions quoted in the offer will be entertained after the last date and time fixed for receipt of tenders.
8. The lowest bid will be calculated based on the total price of all items tendered for Basic equipment, along with accessories selected for installation, operation, preprocessing, and post-processing, optional items, recommended spares, warranty, and annual maintenance contract.

(E) Pre-requisites:

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

(F) Mode of Shipment:

The consignment must be air-lifted, insured, and transported to the installation site by the supplier.

(G) Customs clearance:

IISc will furnish the necessary papers for the import of items into India, a necessary customs duty exemption certificate, and other supporting documents to facilitate the import of the items.

(H) Warranty:

The complete system is to be under a comprehensive warranty period of **a minimum of 3**

years from the date of delivery, including a free supply of spare parts and assistance. 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.

Extended Warranty: The manufacturer should provide a 2-year extended warranty (including parts and labor) after completion of the provided warranty. (To be priced separately)

(I) 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.

(J) Delivery and Installation

The system should be delivered, installed at DBG, IISc, installed and demonstrated (without any extra charges) **within 45 days** from the date of receipt of the confirmed 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 center. After successful installation and inspection, the date of taking over the entire system by the center shall be taken as the start of the warranty period. No partial shipment is allowed. The technical installation personnel/engineer, who will perform the installation, must possess proof of a training certificate from the manufacturing company/factory/principal, which should be submitted along with the tender offer.

(K) System maintenance

The bidder should provide free service if a routine upgrade or software installation is required. It is also preferable that the company/bidder should take care of the proper servicing of the instrument on a time-to-time basis.

(L) Payment Terms:

100% payments (except AMC) will be released after completion of delivery and satisfactory installation, subject to TDS as per rules. As per GFR, no advance payment can be made to the authorized Indian distributors unless an equal amount of bank guarantee is provided.

(M) 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 onto IISc, Bangalore.

(N) Disputes and Jurisdiction:

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

(O) 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. 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.

Chair,

Department of Developmental Biology and Genetics (DBG) Division of
Biological Sciences

Indian Institute of Science (IISc),
Bengaluru -560012

Contact No: 080 2293 2548/2659 Email:
chair.dbg@iisc.ac.in

Section 4: Technical Specifications

Technical Specifications of “High-Resolution Light Sheet with spectral Confocal Microscope Imaging Capabilities”

Sr.No.	Specifications	
	A multiplatform system, with Integrated Light Sheet and high-resolution imaging applications for fixed as well as live biological samples with dedicated SR and Light sheet detection systems. The system must be capable of performing standard multichannel fluorescence imaging, Z-stack, co-localization, time-lapse imaging, Advanced 3D imaging 3D tissue samples; and should have the following technical features.	
1	Microscope:	A fully motorized inverted microscope platform for BF/DIC/FL with built-in TFT display for full control of all motorized microscope functions. Built in 6 position motorized nosepiece and fluorescence turret with automated DIC Sliders and prisms. High-end Galvo/Piezo Scanning stage capable for Light sheet imaging.
2	High Resolution Application Objectives:	All plan Apochromat, corrected from UV to IR region: 10X (NA 0.4 or higher), 20X (NA 0.75 or higher), 40X (NA 0.95 or higher) and 60X/63X oil (N.A 1.4 or higher). The DIC accessories should be quoted for all the objectives.
3	Light Sheet Application objectives:	Illumination objective: 2.5x/0.07 and 4x/0.13, Detection objectives: 25x/0.95 W and 10x.0.3
4	High sensitive and Spectral Detection Systems:	The system must be equipped with integrated Si-based Multi Pixel Photon Counter Detectors with detection efficiency at least 55% or better. At least 2 such Detectors should be available for simultaneous 2 channel SR Imaging. Resolution at least 120 nm in XY & 200 nm in Z, should be achievable.
5	Light Sheet Detection system:	A high sensitive sCMOS (scientific CMOS) camera with QE at least 80% or better, having at least 4 mega pixel resolution and 80 fps imaging speed.
6	Laser Scanning System:	A robust and highly precise Pixel by Pixel Laser Scanning system with FOV at least 20mm, scanning resolution at least 8kx8k or better.
7	Laser Excitation System:	The system must be integrated with the following Laser lines: For Light sheet as well as confocal Imaging: Laser lines CW: 488nm, 514nm, 561nm, 638nm and 405 UV Laser lines with Specialized DMOD Control or integrated white light laser. All the Visible Laser lines should be controlled through AOTF and all the mentioned CW laser lines can be varied within +/- 5 nm.
8	Live Cell Incubation system:	Integrated live cell incubation system should be available with Temperature, CO2 and Humidity control under the same imaging software. The system should have a hardware based instant focus drift compensation system with IR (750 to 850nm) LED for long term focus stability for live cell imaging. Should include appropriate gas cylinder and regulators.

9	Software:	The imaging software should control all the motorized functions of the Light Sheet and SR System. It should have the capability of multi-dimensional acquisition namely XT, XZ, YZ, XZT, XYT, XYZ, XYλ, XYZT, XYλT, XYλZ, XYλZT. Advanced software for 3D reconstruction and processing of 3D data having features like Transparent, Maximum Intensity and Depth Coding, shadow projection, clipping, Orthogonal Sectioning and Annotation tool to add comments to 3D volume. Real time/online Spectral imaging and unmixing, Multi point imaging, and image stitching. The software should have analysis function such as intensity measurement over time, over depth and over lambda. Advance measurements like Co-localization should be possible.
10	Computer workstation and monitor:	High Power HPZ4G4 or similar Workstation with latest version of Windows Professional (64 bit) operating system with 64 GB RAM, Graphics Card NVIDIA Quadro P4000 8GB, at least 6TB SSD Hard Disc, Slim Blu-ray Writer, multimedia keyboard, track pad and Mouse and Monitor 30 inch or better.
11	Required Accessories:	1. A Suitable antivibration table from the factory should be provided along with the system. An additional working table for monitor should also be provided. 2. Suitable 5-KVA UPS with minimum 30 minutes Power backup for the entire system should be quoted
12	Warranty	The vendors should provide 01 (One) year plus 2 years extended comprehensive warranty (listed separately) for the equipment as well as the associated accessories. Essential requirement - The vendor must provide a letter for customer satisfaction regarding post -installation support and servicing if they have supplied any instrument in IISc.

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

Attn.

Chair,

Department of Developmental Biology & Genetics,

Indian Institute of Science

Bengaluru -560012, India Email:

chair.dbg@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 Item 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,
Chair,
Department of Developmental Biology & Genetics, Indian Institute of Science Bengaluru -
560012, India Email: chair.dbg@iisc.ac.in

Ref: Tender No:

Dated:

Supply and installation of the High Resolution Light Sheet with Spectral Confocal Microscope Imaging Capabilities at the Department of Developmental Biology and Genetics, IISc Bangalore.

Sir/Ma'am,

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 Super-resolution imaging microscopy system.

(Signature of the Bidder)

Name, Designation, Seal

Date

Annexure-3:

To,
Chair,
Department of Developmental Biology & Genetics Indian Institute of Science Bengaluru -
560012, India Email: chair.dbg@iisc.ac.in

Declaration of the track record

Ref: Tender No:

Dated:

Supply and installation of the High Resolution Light Sheet with Spectral Confocal Microscope Imaging Capabilities at the Department of Developmental Biology and Genetics, 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 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

Reasons

Since when and for how long

(NOTE: In case the company/firm was blacklisted previously, please provide the details regarding the period for which the company/firm was blacklisted and the reason/s for the same).

Yours faithfully

(Signature of the Bidder)

Name Designation, Seal

Date

Annexure – 4:

Declaration for acceptance of terms and conditions

To,
Chair

Department of Developmental Biology & Genetics Indian Institute of Science Bengaluru -
560012, India Email: chair.dbg@iisc.ac.in

Ref: Tender No:

Dated:

Subject: Supply and installation of High Resolution Light Sheet with Spectral Confocal Microscope Imaging Capabilities at Department of Developmental Biology and Genetics, 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 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 optional items)				
2.b	...				
3.	Accessories for operation and installation				
4.	All Consumables, spares and software to be supplied locally				
5.	Warranty				
6.	Cost of Insurance and Airfreight				
7.	CIP Bengaluru international airport				

Any additional items

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

Addressed to, Chair,
Department of Developmental Biology & Genetics, Indian
Institute of Science,
Bengaluru -560012, India Email:
chair.dbg@iisc.ac.in

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

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

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 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.