

# Notice Inviting Domestic Tender

Supply and Installation of Chemiluminescence documentation at the Biochemistry, IISc

Tender No: BC/SCR/2024-001



Indian Institute of Science

Biochemistry  
Indian Institute of Science  
Bangalore - 560012

03<sup>rd</sup> September 2024

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## SECTION 1 – Bid Schedule

|   |                                           |                                                                                                                                                                                                             |
|---|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Tender Number                             | BC/SCR/2024-001                                                                                                                                                                                             |
| 2 | Tender date                               | 03 <sup>rd</sup> September 2024                                                                                                                                                                             |
| 3 | Item description                          | Chemiluminescence documentation at the Biochemistry Department, IISc, Bangalore                                                                                                                             |
| 4 | Quantity                                  | 1                                                                                                                                                                                                           |
| 5 | Tender Type                               | Two Bid System<br>Technical Bid (Part-A)<br>Commercial Bid (Part-B)                                                                                                                                         |
| 6 | Place of Submission and tender opening    | The Chair, Department of Biochemistry, Indian Institute of Science Bangalore, Karnataka – 560012, India                                                                                                     |
| 7 | Last Date & Time for submission of tender | 24th September 2024                                                                                                                                                                                         |
| 8 | Date of opening of technical bids         | 30th September 2024                                                                                                                                                                                         |
| 9 | For further clarification                 | The Chair, Department of Biochemistry,<br>Indian Institute of Science Bangalore, Karnataka – 560012<br>India<br>Email: <a href="mailto:chair.bc@iisc.ac.in">chair.bc@iisc.ac.in</a><br>Phone: 080-2293-2473 |

## SECTION 2 - ELIGIBILITY CRITERIA

Prequalification criteria:

1. The Bidder's firm should have existence for a minimum of 5 years. (Enclose Company Registration Certificate).
2. The Bidder should have qualified technical service personnel for the instrument(s) based in, Bangalore, India.
3. If the Bidder is a local distributor/dealer/Agent, it is mandatory to attach authorization certificate along with the bid from the original equipment manufacturer.
4. The bidder should sign and submit the declaration for Acceptance of Terms and Conditions as per - Annexure 4.
5. The Bidder must not be blacklisted/banned/suspended or have a record of any service-related dispute with any organization in India or elsewhere. A declaration to this effect has to be given as per Annexure 3.
6. Quote should come only from Indian Original Equipment Manufacturer (OEM) or Indian authorized distributor of OEM.
7. The quotations should be on FOR-IISc Bangalore basis in INR only. OR equipment should be quoted in the currency of the country of origin, and all locally sourced items should be quoted in Indian Rupees.
8. 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%.
9. Bidders offering imported products will fall under the category of non-local suppliers. They cannot claim themselves as Class-1 local suppliers/Class-2 local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training, and other sales service support like AMC/CMC, etc., as local value addition.
10. Purchase preference as defined by the recent edits to GFR (within the "margin of purchase preference") will be given to the Class-1 supplier.
11. MSMEs can seek an exemption to some qualification criteria. IISc follows GFR2017 for such details.

## **SECTION 3 — TERMS AND CONDITIONS**

### **(A) Submission of Tender:**

1. All documentation in the tender should be in English.
2. Tender should be submitted in two envelopes (two bid system).
  - a. Technical Bid (Part-A) -  
Technical bid consisting of all technical details, checklist for conformance to specifications, format in which the price bid is quoted without the actual prices (suppliers who include any indication of prices in the technical bid will be automatically disqualified).
  - b. Commercial Bid (Part-B) -  
Indicating item-wise price for the items mentioned in the technical bid, as per the format of quotation provided in the tender, and other commercial terms and conditions.
3. The technical bid and price bid should each be placed in a sealed cover, superscripting on both the envelopes the tender No. and the due date and both these sealed covers are to be placed in a bigger cover which should also be sealed and duly superscripted with the Tender No & Due Date.
4. The SEALED COVER superscripting tender number / due date & should reach “The Chair, Biochemistry, Indian Institute of Science, Bangalore, Karnataka- 560012, India” on or before due date mentioned in the tender notice. In case due date happens to be holiday the tender will be accepted and opened on the next working day. If the quotation cover is not sealed, it will be rejected.
5. All communications are to be addressed to- “The Chair, Biochemistry, Indian Institute of Science, Bangalore, Karnataka-560012, India.
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 120 Days from the date of opening of the commercial bid.

D) Evaluation of Offer:

1. The technical bid (Part A) will be opened first and evaluated.
2. Bidders meeting the required criteria as stated in Section 2 of this document shall only be considered for Commercial Bid (Part B) opening. Further, agencies not furnishing the documentary evidence as required will not be considered.
3. Pre-qualification of the bidders shall not imply final acceptance of the Commercial Bid. The agency may be rejected at any point during technical evaluation or during commercial evaluation. The decision in regard to acceptance and / or rejection of any offer in part or full shall be the sole discretion of IISc Bangalore, and decision in this regard shall be binding on the bidders.
4. The award of contract will be subject to acceptance of the terms and conditions stated in this tender.
5. Any offer which deviates from the vital conditions (as illustrated below) of the tender is liable to be rejected:
  - a. Non-submission of complete offers.
  - b. Receipt of bids after due date and time and or by email / fax (unless specified otherwise).
  - c. Receipt of bids in open conditions.
6. In case any BIDDER is silent on any clauses mentioned in these tender documents, IISc Bangalore shall construe that the BIDDER had accepted the clauses as of the tender and no further claim will be entertained.
7. No revision in the terms and conditions quoted in the offer will be entertained after the last date and time fixed for receipt of tenders.
8. Lowest bid will be calculated based on the total price of all items tendered for Basic equipment along with accessories for installation, operation, pre-processing and post processing, optional items, recommended spares, warranty, annual maintenance contract.

E) Pre-requisites:

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

H) Warranty:

The complete system is to be under warranty for a period of a minimum of 5 years (1 year + minimum 4 years extended warranty, including free supply of consumables, spare parts, and data analysis software from the date of functional installation. If the equipment is found to be defective, it has to be rectified or, when required, replace required parts/components at the cost of the bidder within 15 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.

I) Comprehensive/Annual Maintenance Contract:

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

J) Purchase Order:

1. The order will be placed on the bidder whose bid is accepted by IISc based on the terms & conditions mentioned in the tender document.
2. The quantity of the items in tender is only indicative. IISc, Bangalore reserves the right to increase /decrease the quantity of the items depending on the requirement.
3. If the quality of the product and service provided is not found satisfactory, IISc, Bangalore reserves the right to cancel or amend the contract.

K) Delivery and Installation:

The bidder shall provide the lead time to delivery, installation and made functional at IISc, Bangalore from the date of receipt of purchase order. The system should be delivered, installed and made functional within 60 days from the date of receipt of purchase order. The supply of the items will be considered as effected only on satisfactory installation and inspection of the system with all the items and features/capabilities tested by the IISc, Bangalore. After successful installation and inspection, the date of taking over of entire system by the IISc, Bangalore shall be taken as the start of the warranty period.

L) Payment Terms:

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

M) Statutory Variation:

Any statutory increase in the taxes and duties subsequent to bidder's offer, if it takes place within the original contractual delivery date, will be borne by IISc, Bangalore subject to the claim being supported by documentary evidence. However, if any decrease takes place the advantage will have to be passed on to IISc, Bangalore.

N) Disputes and Jurisdiction:

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

O) General:

1. All amendments, time extension, clarifications etc., within the period of submission of the tender will be communicated electronically. No extension in the bid due date/time shall be considered on account of delay in receipt of any document(s) by mail.
2. The bidder may furnish any additional information, which is necessary to establish capabilities to successfully complete the envisaged work. It is however, advised not to furnish superfluous information.

3. Any information furnished by the bidder found to be incorrect, either immediately or at a later date, would render the bidder liable to be debarred from tendering/taking up of work in IISc, Bangalore.



## Section 4 - User Requirement Specification

### Technical Specification for Chemiluminescence Documentation System

| <b>S.<br/>No</b> | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                | The Chemidoc System should be a stand-alone system without the requirement of a PC for control. It should carry a Peltier-cooled high-resolution charge-coupled device (CCD) camera with reduced background, low read, and dark noise and provide X-ray film-like sensitivity and resolution.                                                                                                                           |
| 2                | The system should feature a fixed sample position/stage for Chemiluminescence Western Blot, and SDS PAGE/Agarose gel electrophoresis Imaging and offer a Motorized Zoom fast lens f/0.95 (or better).<br><br>Option for chemifluorescence Western Blot is desirable. However, it is not compulsory.                                                                                                                     |
| 3                | System should feature true 16-bit data (not A/D) acquisition with 4.54 x 4.54 $\mu\text{m}$ or bigger pixel size. The Chemidoc System should offer 2,750 H x 2,200 V pixels (or better) with native camera resolution of 6.05 megapixels or more. The Chemidoc System should offer Peltier cooling to -15°C, absolute or better.                                                                                        |
| 4                | The system should have the below illumination sources/filter combination: <ul style="list-style-type: none"><li>○ Trans-UV, 302 nm (standard) ,Epi-white (standard), Trans-white (standard)</li><li>○ Chemiluminescence filter, 590/110 nm standard emission filter for protein and DNA gel and blot imaging</li><li>○ Preferred, Upgradable to Multiplex Fluorescence like Full RGB, far red, near infrared.</li></ul> |
| 5                | The Chemidoc System should offer 70% quantum efficiency (QE), 75-50% QE at 525-800 nm or better                                                                                                                                                                                                                                                                                                                         |
| 6                | The Chemidoc System should feature The Low read noise should be $\leq 6e^-$ with Low dark current, $\leq 0.005 e^-/p/s$ at -10°C or better.                                                                                                                                                                                                                                                                             |
| 7                | The system should feature Touch-screen functionality with a 12.1" touch-screen display with multitouch capability (2 points) to enable users to easily interact with the touch screen to acquire, assess, and export images. Touch-screen actions should include tap, double tap, pan, scroll, stretch to zoom in, and pinch to zoom out. Alternatively, the system should allow to use a USB                           |

|    |                                                                                                                                                                                                                                                                                                                                          |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | mouse to enable the mouse pointer to appear                                                                                                                                                                                                                                                                                              |
| 8  | Sample trays need to offer large imaging area of 20 cm (width) x 15 cm (height) or better.                                                                                                                                                                                                                                               |
| 9  | Two sample trays to provide unmatched application versatility (for the fluorophores and stains listed, but not limited to Blot/UV/stain-free sample tray for trans-ultraviolet, epi illumination, and multiplex western blot applications, White sample tray for trans-white illumination.                                               |
| 10 | The Instrument should feature Smart technology that recognizes the application-specific tray and adjusts imaging parameters, iris settings, and software options accordingly.                                                                                                                                                            |
| 11 | Systems should be flat field calibrated at the factory and files should be stored in the integrated PC.                                                                                                                                                                                                                                  |
| 12 | The Systems should be compatible with stain-free technology for gel and blot protocols, Stain-free technology adds new functionality to western blotting by allowing researchers quality control (QC) validation of their results at each stage of the blotting process, thereby increasing confidence in results.                       |
| 13 | It is desirable to have a total protein normalization option with a stain-free technology as an alternative to normalization with single housekeeping proteins.                                                                                                                                                                          |
| 14 | The Instrument should offer Signal accumulation mode (SAM) for easy optimization of exposure time for chemiluminescence detection.                                                                                                                                                                                                       |
| 15 | The Instrument should offer Specifying the Region of Interest for Auto Exposure allows optimal exposure of a specified area/band. One helpful scenario would be to exclude much brighter signal that does not need quantitation (for example), protein standards                                                                         |
| 16 | The Instrument should offer Mac and PC-compatible software. Multiple computers can be used, allowing flexibility in choosing location, media, and time for data analysis.                                                                                                                                                                |
| 17 | The Software should not have any requirement for a license for registration. Should allow free functionality for sharing, analysis, and presentation of gel data in unlimited PC's. Unlimited copies of Software should be available with each system. All future upgrades of the software should be offered free of cost & voluntarily. |
| 18 | The Software should provide complete flexibility with automatic and manual detection of lanes and bands, Lane profile tool for easy background adjustment and detection of lanes/bands, Flexible analysis tools to normalize your band of interest to a single housekeeping protein or total                                             |

|    |                                                                                                                                                                                                                                                                                                                 |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | protein signal.                                                                                                                                                                                                                                                                                                 |
| 19 | The Software should provide Automatic and manual methods for molecular weight determination, purity, assessment, and relative and absolute quantitation.                                                                                                                                                        |
| 20 | The Software should allow Publishing resolution (DPI) and publishing dimensions to be specified by the user with 1-click image export. The Software should provide functionality to produce images at user-defined DPI and dimensions.                                                                          |
| 21 | Users should be capable of exporting images to a flash drive, external hard drive, and shared folder on a network drive or stand-alone computer. Users should be capable of exporting images in several file formats (Image Lab, TIFF, and JPEG) suitable for their purposes, such as analysis and publication. |
|    | <b>Warranty: 5 years (1 year + minimum 4 years extended warranty)</b>                                                                                                                                                                                                                                           |

**Note:**

1. **The instruments should be compact.**
2. **The vendor will be responsible for the complete installation, testing, and handover.**
3. **Accessories: Required accessories should be provided by the successful bidder.**
4. **Training and demonstration:**  
**Training on usage of the machine (hardware) must be demonstrated by the successful bidder free of cost to the end users at IISc, Bangalore.**

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

## **Section 5: Bid**

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

“The Chair

Biochemistry

Indian Institute of Science

Bangalore, Karnataka - 560012, India”

## Annexure-1:

### Details of the Bidder

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

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

Signature of the Bidder

Name

Designation and Seal

Date:

## **Annexure-2:**

Declaration regarding experience

To,  
The Chair  
Biochemistry  
Indian Institute of Science Bangalore, Karnataka- 560012  
India

Ref: Tender No: XXXXXXXXXX

Dated: XXXXX

Supply and Installation of Chemiluminescence documentation at the Biochemistry, IISc

Respected Chair,

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

(Signature of the Bidder)

Name

Designation and Seal

Date:

### Annexure-3:

Declaration regarding track record

To,  
The Chair  
Biochemistry  
Indian Institute of Science Bangalore, Karnataka- 560012  
India

Ref: Tender No: XXXXXXXX

Dated: XXXXX

Supply and Installation of Chemiluminescence documentation at the Biochemistry, IISc

I have carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company/ firm is not currently debarred / blacklisted by any Government / Semi Government organizations / institutions in India or abroad. I further certify that I'm 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 and Seal

Date:

## **Annexure - 4:**

Declaration for acceptance of terms and conditions

To,  
The Chair  
Biochemistry  
Indian Institute of Science Bangalore, Karnataka- 560012  
India

Ref: Tender No: XXXXXXX

Dated: XXXX

Supply and Installation of Chemiluminescence documentation at the Biochemistry, IISc

I have carefully gone through the Terms & Conditions as mentioned in the above-referred tender document. I declare that all the provisions of this tender document are acceptable to my company. I further certify that I'm an authorized signatory of my company and am, therefore, competent to make this declaration.

Yours faithfully,

Signature of the Bidder

Name

Designation, Seal

Date:



## Annexure 5:

Details of the items quoted:

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

Instructions to bidders:

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

## Section 6: COMMERCIAL BID

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

| <b>Sr. No.</b> | <b>Description</b>                                          | <b>Catalogue No.</b> | <b>Quantity</b> | <b>Unit Price</b> | <b>Sub Total</b> |
|----------------|-------------------------------------------------------------|----------------------|-----------------|-------------------|------------------|
| 1              | Equipment Price                                             |                      |                 |                   |                  |
| 2              | Accessories for operation and installation                  |                      |                 |                   |                  |
| 3              | All Consumables, spares and software to be supplied locally |                      |                 |                   |                  |
| 4              | Warranty 5 Years (1 year + 4 Years extended warranty)       |                      |                 |                   |                  |
| 6              | FOR IISc, Bangalore                                         |                      |                 |                   |                  |

Buyback, if any

| <b>Sr. No.</b> | <b>Description</b> | <b>Quantity</b> | <b>Unit Price</b> | <b>GST</b> | <b>Total</b> |
|----------------|--------------------|-----------------|-------------------|------------|--------------|
|                |                    |                 |                   |            |              |

Addressed to,

To,  
The Chair  
Biochemistry  
Indian Institute of Science Bangalore, Karnataka- 560012  
India

## **SECTION 7 - CHECK LIST**

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

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

### 1. Envelope "A": Technical Bid

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

Annexure 1: Bidders details

Annexure 2: Declaration regarding experience

Annexure 3: Declaration regarding clean track record

Annexure 4: Declaration for acceptance of terms and conditions

Annexure 5: Details of items quoted

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

### 2. Envelop "B": Commercial Bid

Section 6: Commercial Bid

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