



अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) कल्याणी

All India Institute of Medical Sciences (AIIMS) Kalyani

(स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार के तत्वावधान में एक सांविधिकनिकाय)

(A Statutory Body under the Aegis of Ministry of Health and Family Welfare, GOI)

राष्ट्रीय राजमार्ग – 34, बसन्तपुर, सागूना, कल्याणी, ज़िला – नदिया, पश्चिम बंगाल - 741245

NH-34 Connector, Basantapur, Saguna, Kalyani, District Nadia, West Bengal 741245

### **WEB CHALLENGE NOTICE**

Ref.No: 715/PHYLGY/PROC/NGEM/4/2025-PHY/WC-12

Date: 17/03/2025

The notice is being uploaded on the web site [www.aiimskalyani.edu.in](http://www.aiimskalyani.edu.in), [e-wizard](#) and CPPP.

**Sub: Verification and Justification of proprietary nature of the items through 21 days WEB Challenge on the official website of AIIMS Kalyani, e-wizard and CPPP before Procurement of “Fluorescence Attachment with Procam HST-32MP Digital Color Cmos Camera with Procam Measurement software & Net Calibration Slide I/100mm” for the Department of Physiology, AIIMS Kalyani against proprietary article certificate of the Original Equipment Manufacturer (O.E.M.). Inviting Comments thereon.**

Department of Physiology, AIIMS Kalyani intends to buy “Fluorescence Attachment with Procam HST-32MP Digital Color Cmos Camera with Procam Measurement software & Net Calibration Slide I/100mm” make by M/s. Radical Scientific Equipments Pvt. Ltd. (Address: 9th MileStone, Ambala-Jagadhri Road, Ambala Cantt-133104, Haryana)

The Original Equipment Manufacturer (OEM) M/s. Radical Scientific Equipments Pvt. Ltd. has been declared in the Proprietary Article Certificate provided in their company's letter head that they are the sole manufacturer of the “Radical Brand Microscopes and accessories” and Fluorescence Attachment with Procam HST-32MP Digital Color Cmos Camera with Procam Measurement software & Net Calibration Slide I/100mm.

The notice is being uploaded for general information of prospective Manufacturer/ Authorized Distributor/Dealer to submit their objection/ comments, if any, on proprietorship of the “Fluorescence Attachment with Procam HST-32MP Digital Color Cmos Camera with Procam Measurement software & Net Calibration Slide I/100mm” make M/s. Radical Scientific Equipments Pvt. Ltd. (Address: 9th MileStone, Ambala-Jagadhri Road, Ambala Cantt-133104, Haryana), they may submit their proposal along with specifications, supported by all documentary evidence and a price quotation for the above said items.

**Continued from Page....01**

The objection/proposal/comments, if any should be sent in sealed cover to the Office of the Chairperson, Procurement Cell, AIIMS, Kalyani, P.O.- Ghoragacha, NH-34 Connector, Basantapur, Saguna, Kalyani, District-Nadia, West Bengal- 741245. Or through email to [web\\_challenge@aiimskalyani.edu.in](mailto:web_challenge@aiimskalyani.edu.in), so as to reach on or before 21 days from the web published date (before 5:00 pm) failing which it will be presumed that no other firm is interested to offer comments/protest/object and case will be decided on its merits.

The "Ref No. 715/**PHYLGY/PROC/NGEM/4/2025-PHY/WC-12** on or before 21 days from the web published date (before 5:00 p.m.) should be superscripted on sealed envelope.

**Enclosures:**

1. Proprietary Article Certificate of Manufacturer **M/s. Radical Scientific Equipments Pvt. Ltd. (Address: 9th MileStone, Ambala-Jagadhri Road, Ambala Cantt-133104, Haryana)**
2. **Technical Specifications**

Signed by  
Oinam Gambhir Singh  
Date: 18-03-2025 17:02:10  
Chairperson/Co-chairperson Procurement Cell  
(AIIMS Kalyani)

**Copy to:**

1. PS to ED : For kind information please
2. PS to DDA : For kind information please
3. FIC Website : For kind information please.
4. Administrative Officer : For kind information please.
5. FIC, Finance : For kind information please.
6. Indenting Officer : For kind information please



## Radical Scientific Equipments Pvt. Ltd.

9th Milestone, Ambala-Jagadhri Road, P.O. Khudda Kalan, NH-444A, AMBALA CANTT.-133104

Contact : 0171-2977793, 3501111, Mob.: 90340 51451, 8930997826, Toll Free No. - 1800-1233-229

E-mail : info@radicalscientific.com & info@radicalindia.com, Website : www.radicalscientific.com

### PROPRIETARY ARTICLE CERTIFICATE

We, M/s. Radical Scientific Equipments Pvt. Ltd., 9th Milestone, Ambala Jagadhari Road, Ambala Cantt, Haryana do hereby certify that quoted Fluorescence attachment and Camera are our proprietary article. We are the sole manufacture of 'Radical' Brand Microscopes and accessories.

for RADICAL SCIENTIFIC EQUIPMENTS PVT. LTD.,



**POONAM BHANDARI**

**Head - Domestic Sales**

**Date : 24.1.2025**

*T. Ghosh*  
24/02/25  
Dr. Tandra Ghosh  
Additional Professor & Head  
Department of Physiology  
All India Institute of Medical Sciences  
Kalyani, West Bengal - 741245



## **Radical Scientific Equipments Pvt. Ltd.**

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Contact : 0171-2977793, 3501111, Mob.: 90340 51451, 8930997826, Toll Free No. - 1800-1233-229  
E-mail : info@radicalscientific.com & info@radicalindia.com, Website : www.radicalscientific.com

### **TO WHOM IT MAY CONCERN**

We, M/s. Radical Scientific Equipments Pvt. Ltd., 9th Mile Stone, Ambala-Jagadhri Road, Ambala Cantt-133104 Haryana do hereby confirm that we are the manufacturer of a wide range of Microscopes and Laboratory Instruments for over last fifty years. We are also capable for upgrading our already supplied Microscopes with fluorescence attachment, camera and other accessories as per customer's requirement.

**for Radical Scientific Equipments Pvt. Ltd.,**



**POONAM BHANDARI**  
**Head - Domestic Sales**

Dr. Tandra Ghosh  
Additional Professor & HOD  
Department of Physiology  
Kalyani, West Bengal - 741202  
www.radicalscientific.com



Department of Physiology

शरीर क्रिया विज्ञान विभाग

All India Institute of Medical Sciences (AIIMS), Kalyani

अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स), कल्याणी

(A Statutory Body under the Aegis of Ministry of Health and Family Welfare, GOI)

(स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार के तत्वावधान में एक संबिधिक निकाय)

NH-34 connector, Basantpur, Saguna, Kalyani, Nadia, West Bengal -741245

राष्ट्रीय राजमार्ग-34, बसंतपुर, सगुना, कल्याणी, नदीया, पश्चिम बंगाल-741245

Date: 10 / 03 / 2025

### Technical Specification: Fluorescence Attachment (Compatibility with Radical RXLr 5 EX)

**1. General Description:** The fluorescence attachment is designed for use in advanced microscopy applications, incorporating a turret with a 4-filter holder, a high-efficiency LED light source, and precision-controlled diaphragms. The system supports fluorescence imaging with multiple filter options and allows for enhanced image clarity and contrast.

#### 2. Optical and Illumination System:

- **Filter Holder:** Turret with 4-position filter holder.
- **Light Source:** High-intensity white LED, 5W power output.
- **LED Lifespan:** 30,000 hours for extended operation.
- **Diaphragms:**
  - **Iris Diaphragm:** Adjustable for controlling light intensity.
  - **Aperture Diaphragm:** Central adjustable for precise beam alignment.

#### 3. Filter and Polarization System:

- **Filter Slot:** Integrated slot for easy installation and exchange of fluorescence filters.
- **Polarizing Slot:** Built-in slot for polarization applications.
- **Fluorescence Filters:**
  - DAPI (4',6-diamidino-2-phenylindole) – for blue fluorescence excitation.
  - FITC (Fluorescein isothiocyanate) – for green fluorescence excitation.
  - TRITC (Tetramethylrhodamine) – for red fluorescence excitation.
  - **Selection:** Any two filters can be included based on user preference.

#### 4. Adjustability and Compatibility:

- **Central Adjustable Mechanism:** Ensures precise alignment of optical elements.
- **Compatibility:** Designed to fit standard fluorescence microscopes with modular adaptability.
- **Filter Exchange:** Quick-change mechanism for switching fluorescence filters without disrupting workflow.

#### 5. Additional Features:

- **High Stability:** Designed to minimize photobleaching and phototoxicity.
- **Energy Efficiency:** Low power consumption with prolonged LED lifespan.
- **User-Friendly Operation:** Intuitive controls for adjusting intensity and alignment.

#### 6. Applications:

- Fluorescence microscopy in biomedical research.
- Live-cell imaging.
- Immunofluorescence assays.
- Pathology and histology studies.

Approved by

T. Ghosh  
10/03/25

Dr. Tandra Ghosh

Additional Professor & Head

Dept. of Physiology

AIIMS Kalyani

Digitally signed by

MUGUNTHAN

Date: 2025.03.20 11:17:37 IST