



अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स), गुवाहाटी
All India Institute of Medical Sciences, Guwahati
स्वास्थ्य और परिवार कल्याण मंत्रालय, भारत सरकार के तत्वावधान में एक वैधानिक निकाय
(A statutory body under the aegis of Ministry of Health and Family Welfare, GoI)
Changsari, District- Kamrup, Assam, PIN-781101

WEB CHALLENGE NOTICE

7Ref. No. 4-240/2023-24/AIIMS/GHY/PROC- Pathology/2769

Date: 07.03.2024

The notice is being uploaded on the web site www.aiimsguwahati.ac.in, CPPP & <https://tenderwizard.com>.

Sub: Verification and Justification of proprietary nature through 21 days Web- Challenge on the official website of AIIMS, Guwahati and CPPP before Procurement of “Fully Motorized Fluorescence Microscope” on proprietary basis against proprietary article certificate of the Original Equipment Manufacturer (O.E.M)- Inviting Comments thereon.

Department of Pathology, AIIMS, Guwahati intends to buy an equipment namely “**Fully Motorized Fluorescence Microscope**”, from M/s Carl Zeiss India (Bangalore) Pvt. Ltd., Bangalore – 560099.

The equipment may be purchased from M/s Molbiogen, House No. 11, Left Bye Lane No – 5, Bishnu Rabha Path, Beltola, Guwahati - 781028.

M/s Molbiogen, House No. 11, Left Bye Lane No – 5, Bishnu Rabha Path, Beltola, Guwahati - 781028 is the subsidiary and the Indian channel partner of the above said Original Equipment Manufacturer (O.E.M) of “**Fully Motorized Fluorescence Microscope**” (Namely, M/s Carl Zeiss India (Bangalore) Pvt. Ltd., Bangalore – 560099).

The Original Equipment Manufacturer (OEM), M/s Carl Zeiss India (Bangalore) Pvt. Ltd., Bangalore – 560099 has declared in the Proprietary Certificate provided in their company’s letter head that the sole manufacturer of the equipment namely “**Fully Motorized Fluorescence Microscope**”.

The notice is being uploaded for general information of prospective Manufacturer/Authorized Distributor/Dealer to submit their objection/comments, if any, on proprietorship of “**Fully Motorized Fluorescence Microscope**” Make: M/s Carl Zeiss India (Bangalore) Pvt. Ltd., Bangalore – 560099, they may submit their proposal along with specifications, supported by all documentary evidence and a price quotation.

The objection/proposal/comments, if any should be sent in sealed cover to the office of Chairperson, Procurement Cell, AIIMS, Guwahati, District- Kamrup (Assam), Pin-781101. Or through email to procurement@aiimsguwahati.ac.in so as to reach on or before dated on 28.03.2024 failing which it will be presumed that no other firm is interested to offer comments/proposal/objection and case will be decided on its merits.

The Ref. No 4-240/2023-24/AIIMS/GHY/PROC-Pathology/2769, due on 28.03.2024 (before 5:00 PM) should be superscripted on sealed envelope.

Enclosures:

1. Proprietary Certificate of Manufacturer M/s Carl Zeiss India (Bangalore) Pvt. Ltd., Bangalore – 560099.
2. Authorization provided by the OEM to M/s Molbiogen, House No. 11, Left Bye Lane No – 5, Bishnu Rabha Path, Beltola, Guwahati - 781028.
3. Technical specification of the equipment namely “**Fully Motorized Fluorescence Microscope**”.

Note from pre-page

Copy to:

- 1) Indenting Officer : For kind information please.
- 2) PS to ED : For kind information please.
- 3) FIC Website : For kind information please.

Sd/-
Administrative Officer
AIIMS, Guwahati

58/C



Carl Zeiss Microscopy GmbH 07740 Jena, Germany

Carl Zeiss Microscopy GmbH

Carl Zeiss Group
Jena location
Carl-Zeiss-Promenade 10
07745 Jena
Germany

Phone: +49 3641 64-

Fax: +49 3641 64-

E-mail:

Your ref.:

Yours of:

Our ref.:

Date: 08.11.2021

Division/ Dept.: RMS

Dear Sir/Madam

Proprietary Nature Certificate

Certified that articles viz., Proposed by Carl Zeiss India (Bangalore) Pvt. Ltd., a 100% Subsidiary of Carl Zeiss Microscopy GmbH, with Quotation dated 1st November 2021 with reference no: AIIMS-MOT-FISH-0111 for "ZEISS Microscope – Motorized Microscope- Axioimager Z2 with ISIS, Filter Sets and CoolCube 1m Camera" are proprietary items of M/s. Carl Zeiss Microscopy GmbH, Germany, a Group company of Carl Zeiss, Germany

Upright Research grade Motorized Microscope with Camera and Software for FISH– Axioimager.Z2 with ISIS, Filter Sets and CoolCube 1m Camera, being a proprietary technology of M/s. Carl Zeiss Microscopy GmbH, Germany, a Group company of Carl Zeiss, Germany have the below proprietary features:

- 10 Position motorized reflector turret
- Infinity color corrected system - ICCS
- Apochromatically corrected ICCS beam path

2. M/s. Carl Zeiss Microscopy GmbH, Germany are the sole manufacturer of these articles.
3. M/s. Carl Zeiss India (Bangalore) Pvt. Ltd. who have submitted the Quotation dated 1st November 2021, is a 100% Subsidiary of Carl Zeiss, Germany and are responsible for sales and service of our products in India
4. Certified further that no substitute make/ model will serve the purpose and also that no other manufacturer can copy or produce these items in part or to to.

Yours faithfully
Carl Zeiss Microscopy GmbH

Authorized Signatory

Carl Zeiss Microscopy
Carl Zeiss Group
Carl Zeiss-Promenade 10
07745 Jena
www.zeiss.com/microscopy
microscopy@zeiss.com

Supervisory Board:
Dr. Michael Kaschke
Board of
Dr. Markus Weber
Justus Felix Wehmer

Local court Jena, HRB
VAT Reg No: DE
Tax number: 50079/47619
WEEE-Reg. No.

Deutsche Bank AC Jena
Account: 620000000 (BLZ
SWIFT-BIC: DEUTDE8E831
IBAN:

Commerzbank AG Göttingen
Account: 62411100 (BLZ
SWIFT-BIC: COBADEFF260
IBAN:

Commerzbank AG Heidenheim
Account: 20114600 (BLZ 63240016)
SWIFT-BIC: COBADEFF632
IBAN: DE2663240016020114600
Deutsche Bank AC Heidenheim
Account: 205068000 (BLZ 61370086)
SWIFT-BIC: DEUTDE55613
IBAN: DE32613700860205068000

Dr. Pakesh Baishya M.D/ डॉ. बाकेश बैश्या
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All India Institute of Medical Sciences, Guwahati

29/11/23

29/11/2021

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Date: 01.04.2023

Manufacturer's Authorization Letter

TO WHOMSOEVER IT MAY CONCERN

We **CARL ZEISS INDIA (BANGALORE) PVT. LTD.**, a wholly owned subsidiary of CARL ZEISS MICROSCOPY GmbH, Germany, reputed manufacturer of "**Microscopes & Microscopy System**" having corporate office at 07740 Jena, Germany and having manufacturing facilities at various **locations in Germany (Goettingen & Jena), U.K. (Cambridge), USA, China and Byelorussia.**

We authorize **Molbiogen, House no-11, Left Bye Lane No-5,, Bishnu Rabha Path, Beltola, Guwahati-781028, Assam** to Supply and installation of microscopes which are manufactured by us.

We hereby extend our full guarantee and warranty of the General Conditions of Contract, with respect to the Goods offered by **Molbiogen.**

Valid till: 31.03.2024

Thanking You

Carl Zeiss India (Bangalore) Pvt. Ltd.



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Technical specifications:

Motorized Fluorescence Microscope with FISH Software and accessories for the Department of Pathology at AIIMS, Guwahati

PART A: Motorized Upright Fluorescence Microscope:

1. Fully motorized research-grade Upright fluorescence microscope with apochromatically corrected, infinity contrast and color-corrected system (ICCS) beam path for Fluorescence analysis.
2. Motorized Research microscope stand with motorized Z focus drive step resolution 10 nm and with adjustable height stop and torque of focusing. Objective-specific focusing speed adjusting for scanning and capture.
3. The microscope body should have a mounted TFT/ LCD monitor to display the microscope parameters and control the motorized functions like light manager, contrast manager, motorized nosepiece, motorized fluorescence turret, etc.
4. The Motorized Microscope should have an integrated light and contrast manager.
5. The microscope should have 7 or more position motorized nosepieces.
6. 100-watt halogen illumination for Transmitted light applications
7. Fluorescence filters for DAPI, FITC, DEAC/Aqua, Texas Red, Spectrum Orange, near IR/Cy5, Orange/Green double band filter and DAPI/FITC/TRITC triple band to be offered for FISH.
8. Fluorescence illumination should be with a minimum 100-watt mercury lamp house with a self-adjusting lamp. The fluorescence beam path should be fully apochromatically corrected for high-contrast fluorescence illumination and should have a motorized shutter. 10-position motorized inbuilt reflector turret should be provided.
9. Objectives for Bright field and Fluorescence of magnifications 10x (N.A:0.25), 40x (N.A: 0.75), 63x oil (N.A: 1.25).
10. A binocular phototube with a minimum 15° inclination and a high field of view of a minimum of 25mm with a camera port to a monochrome camera should be offered with 10x/25 mm focusable eyepieces.
11. The quoted microscope model should be upgradeable at the site for a fully automated scanning system for metaphase finder and FISH spot counting with the capacity to scan up to 250 or more slides.
12. The quoted microscope model should be upgradeable to patented deep neural network-based / Artificial intelligence-based Karyotyping software.
13. The equipment should be US-FDA / European CE and ISO certified.
14. A suitable online UPS and battery backup sufficient to cover a power outage for 30 minutes should be provided.

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Prasad

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vetted, *25/12/23*, *Prasad*, *Dr. Sinhasan*, *Dr. Pakesh*, *Dr. Bilica*, *Dr. Sinhasan*

15. It Should come with a compatible computer with a minimum 32-inch LED screen and laser color printer with scanner.

PART B: Imaging Workstation including software

a) Camera:

- ✓ CCD Monochrome Camera: Resolution of minimum 1280x1024, 12-bit, pixel depth of 6.45µ x 6.45 µm, and exposure time between 20 µs and 300 s with global shutter, at least 15 frames per second is offered.

b) FISH Software:

1. Image acquisition in up to 12 color channels with integrated microscope control for motorized microscopes.
2. Extended focus image generation to have a very clear Fluorescence signal against a clear dark background.
3. User-defined automatic processing functions significantly simplify the image enhancement immediately after the capture.
4. Interactive and automatic integration time control for each color channel.
5. Automatic and interactive background correction and thresholding for each color channel.
6. Mask (exclude/include) function, Transient and permanent zoom, Presentation of individual colors, false colors, and gray levels, Annotation capabilities, and Measurement functions.
7. Provision to capture color images using RGB filters for stained samples/slides like H&E and special stain.
8. The software should be upgradable. The Supplier must upgrade the software with the latest version from time to time at no extra cost.

c) Karyotyping software:

1. An additional AI-enabled karyotyping software is preferred along with FISH software.
2. Software should classify and assign chromosomes automatically.
3. Unlimited undo and log operation to overcome human errors with time and date records of every processing step.
4. Interactive and automated Real-time background correction and Chromosome separation. Keyboard shortcut keys for several functions like Chromosome separation (in case of overlapping chromosomes), image enhancement, Background correction, contrast enhancement, etc. Interactive and automatic Classification based on built-in classifiers for G-, Q- and R-banding. Ideograms according to ISCN standards for 400, 550, and 850 bands
5. Additional captures to encompass all chromosomes of widely spread metaphases in one karyotype, Up to 26 images can be incorporated into 1 to have one complete Karyogram in the case of polyploids

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x. f. *Handwritten signatures and dates*
 25/12/23
 11/12/24

d) Report / Archiving Software:

1. Dedicated software for Report generation, analysis, archiving, and classifying with institute logo or other related images.
2. Scheduled backup and notification if data is not getting saved.
3. Dedicated software for Report or case data searching and sorting.
4. Editing can be done for a workgroup or multiple cases.
5. Security check to avoid unknown users who can't modify data.
6. User-defined report generation with a graphic interface.
7. Provision in the software to extract statistical information of cases/reports like cases per year, results per year, samples per year, etc.

PART C: Slide Hybridization System:

- Programmable FISH Hybridization system.
- Slide holding capacity of more than up to 10-12 Nos.
- Temperature accuracy across all slides +/-1 degree C.
- provision of 35-40 user-defined protocols and 3 modes of operations (Hybridization/ Denaturation, Hybridization only, Fixed Temperature).
- Temperature ramping from 37 degrees C to 95 degrees C in 2 minutes.
- Temperature ramping from 95 degrees C to 37 degrees C in 5 minutes.
- Should include an ISO, CE, EN 12469: 2000, EN 61010-1:2010 certified Bio Safety Cabinet Class II – Type A2 (3' x 2' x 2') for personnel, product, and environment protection during processing of the sample.

Additional terms and conditions:

1. All installation/service reports and satisfactory performance and servicing reports from a government institute are to be attached.
2. The company needs to install all the equipment at the site with necessary minor modifications including electrical and civil works. Bidders are advised to visit the site and carry out the assessment of the work before submitting the bid.
3. The company should provide instrument qualifications, operation qualifications, performance qualifications, and training certificates, free of cost.
4. The company will provide operator training to the technical staff and will standardize at least two tests, free of cost.
5. The system or any variants of the system with the same technology should be installed in more than 5 hospital labs across India in both Govt and Private sectors.
6. Technical support should be available for troubleshooting with a maximum response time of 48 hours.

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 সন্থা

Dr. Prasad Dange

Dr. Pooja Mishra M.D/Dr. Pooja Mishra
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Dr. Pooja Mishra
Dr. Poonam Elhenc
Dr. Sinhasan, S.
Dr. Prasad Dange

7. The company will provide the list of probes available, the prices of which can be fixed for 3 years with a rate contract.
8. Prices are to be quoted with a five-year on-site warranty and a further 5 years CMC for a total of ten years.
9. Demonstration of equipment is required before financial bidding.

**Exempted from MAKE in INDIA Category as per SI No. 276 & 319, of Ministry of FINANCE list, Govt of India dated 03.04.2023 VALID for all tenders till 31st March 2024.

X

Prasad

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vetted.

Dr. Roopam Deka
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K. f

Roopam Deka
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Nete

Dr. P. Ch
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Dr. Poonam Elhencu
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