



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
JODHPUR**

Admn/Prop/45/2022-AIIMS.JDH

Dated: -08th September 2022

Subject: Purchase of Pentahead Microscope with camera attachment and projection facility for DIMOnDS Project at AIIMS, Jodhpur on proprietary basis-

Inviting comments thereon.

The Institute is in the process to Pentahead Microscope with camera attachment and projection facility for DIMOnDS Project at AIIMS, Jodhpur from M/s Carl Zeiss Microscopy GmbH, Jana locat ion Carl- Zeiss – Pro Men ade 10 07745 Jena, Germany on proprietary basis. The proposal submitted by M/s Carl Zeiss Microscopy GmbH, Germany and PAC certification by user are attached.

The above document are being uploaded for open information to submit objection, comments, if any from any manufacturer regarding proprietary nature of the equipment within 21days of issue giving reference Admn/Prop/45/2022-AIIMS.JDH. The comments should be received by office of Deputy Director (Admin), Medical College at AIIMS, Jodhpur on or before 29th September 2022 upto 03:00 PM failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Deputy Director (Admin)

Enclosed: Related documents enclosed.



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Carl Zeiss Microscopy GmbH 07740 Jena,
Germany

Carl Zeiss Microscopy GmbH
Carl Zeiss Group

Jena location
Carl-Zeiss-Präsidentenstraße 10
07745 Jena
Germany

Phone: +49 3641 64-1623

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E-mail: microscopy@zeiss.com

Division/ Dept.: Research Microscopy Solutions
Your contact: Frank Hucke

Your ref.:

Your ref.:

Our ref.:

CZ/Indien/131 Date:

02.06.2022

To Whomsoever it may Concern

Proprietary Nature Certificate

1. This is to confirm that the microscope model Axioscope 5 with 6 position coded nosepiece, auto mechanical safety shutter, Snap button for camera operation built-in the stand, 6 position coded reflected turret for fluorescence filters, Solid state LED light source Colibri 3 for fluorescence illumination and CAN port built-in the Stand for Control of Colibri 3 illuminator is a proprietary item of Carl Zeiss Microscopy GmbH, a Group company of Carl Zeiss AG, Germany. The Microscope System is covered by the following Patents

US 6154282, US 6392796, US 6595661, US 7038847, EP 1359453, CN 206479707 U and us 7046436

2. M/s. Carl Zeiss Microscopy GmbH, Germany are the sole manufacturer of these articles. M/s. Carl Zeiss India (Bangalore) Pvt. Ltd, is a 100% Subsidiary of Carl Zeiss, Germany and are responsible for sales and service of our products in India.



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zum Schreiben vom

3. 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 toto.

Frank Hucke
Export Officer
Carl Zeiss Microscopy GmbH
Location Jena

Handwritten notes and signatures in blue ink:

- Left side: Sof s.
- Top center: Test
- Below Test: Wbarr
- Center: ZEISS
- Right side: Atkist
- Bottom right: Babun
- Bottom center: 20/08
- Bottom left: Atkist
- Bottom center: M



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Technical Specifications for Pentahead microscope with camera attachment and projection facility

Main body	Upright Stand with LED transmitted light and LED fluorescence. <ul style="list-style-type: none">- Coarse and fine focusing knobs on both left and right side; focus stop adjustment- Integrated Power Unit- 24mm Z focus range- Specimen holder for one-hand operation, spring lever left
Binocular Phototube	Binocular phototube, 30°/23 (50:50 splitting ratio) Provision to attach a camera on microscope stand without replacement of the binocular tube.
Eyepiece	10x mag, 23mm FOV or better, with ± 5 diopter and rubber eyecups
Nosepiece	6 position or better coded nosepiece with anti-collision mechanism.
Transmitted Illumination	10W or better LED Illumination. Light manager provided without the need to change intensity manually.
ECO Mode	Energy saving Automatic switch-off of Illumination if not in use for more than 15 minutes
Smart Documentation	Snap button on microscope stand for image capturing without need for computer. Memory card slot in microscope.
Stage	Mechanical stage 75 × 50 (hard coated anodized surface, right drive, extendable and with torque setting) with dual slide holder for one hand operation
Objectives	Plan achromat 2.5x/0.06 or better Plan-achromat 5x/0.12 or better Plan-achromat 10x/0.25 or better Plan-achromat 20x/0.45 or better Semi Apo 40x/0.75 or better Semi Apo 100x/1.3 Oi or better
Colour Pointer	Main Units should have 3 color LED Pointer (Red, Green & White)
Condenser	Condenser with 0.9/1.25 for brightfield and darkfield
Camera With Adaptor	8-megapixel or better CMOS camera or better Pixel Count : 3840 (H) x 2160 (V) = 8.3MP, Ultra HD (4K) Pixel Size : 1.85 μm x 1.85 μm or better Effective Area: 7.1 mm x 4.0 mm, equivalent to 1/2.1" (8.1 mm diagonal) or better Live frame rate via HDMI: 30 fps @ 4K/1080p (also with HDR)
Co- Observer Unit	Main units with light distribution on both sides (Left & right) for connecting 4 extra co-observers with FOV 23mm or better. The Co-observer gets the same orientation as main observer.

Handwritten signatures and initials in blue ink, including 'Sofp', 'Rajeev', 'V. Kumar', and others, are present below the table.



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Software	<ul style="list-style-type: none">• Image acquisition with camera control.• For digital morphometry.
Computer/ Monitor	<ul style="list-style-type: none">• Suitable branded computer system to be supplied with Microscope with minimum 65inch Full HD screen for teaching purposes.
Other terms and conditions:	<ul style="list-style-type: none">• A complete user list of Indian users must be provided.• Company R&D labs in India with strong and quick service (within 48 hours) support team for smoother functioning and proper service of the instrument.• At the time of installation, a detailed operation and maintenance training must be carried out to our users in our lab free of cost by the supplier• Microscope, camera and software should be from same manufacturer.• Published publications using quoted model can be requested in case it is required.• Microscope Shall be upgradable, Solid state LED light• Upgradable to Solid State LED fluorescence illumination and CAN port built-in the Stand for Control of the FL
	<ul style="list-style-type: none">• Upgradable to 20 co-observers.

Handwritten signatures and initials in blue ink, including names like 'Sachin', 'Pratik', 'Nikhar', 'Dhruv', 'Sachin', 'Rohit', 'Sachin', and 'Sachin'.