भारत सरकार/Government of India
स्वास्थ्यऔर परिवारकल्याणमंत्रालय/ Ministry of Health and Family Welfare
प्रधानमंत्री स्वास्थ्य सुरक्षा योजना/PMSSY
अखिलभारतीयआयुर्विज्ञानसंस्थान/All India Institute of Medical Sciences
मंगलगिरि, आंध्रप्रदेश/Mangalagiri, Andhra Pradesh
www.aiimsmangalagiri.edu.in

Ref. No.: AIIMS/MG/Procurement/06/Operating Microscope Date:31/12/2021

CALL FOR OBJECTION

AIIMS Mangalagiri has a requirement of Ophthalmic Operating Microscope with wide angled viewing system. In this regard comments/ objection, if any, are invited before declaring the article as proprietary in nature.

The proposal submitted by **M/s Carl Zeiss India Private Ltd.**, Bangalore, India, who is authorized dealer of M/s **Carl Zeiss Meditec AG, Germany** (sole manufacture of this product) along with Proprietary Article Certificate are attached and duly uploaded as annexure.

In case, the product of any Manufacturer/Authorized distributor/dealer conforms to the enclosed specifications, they may submit their proposal for the supply of the same item along with the following:

1. Product brochure
2. Point-by-point compliance of the, enclosed specifications, along with all relevant documentary evidences.

The objections/comments should be sent to the O/o AO (Procurement), 4th floor, Nursing college building, AIIMS Mangalagiri, Guntur, Andhra Pradesh 522503 in a sealed envelope with the above reference on or before 20/01/2022, 3:00 PM, failing which it will be presumed that any other manufacture/vendor is having no objections/comments to offer and the case will be decided on merits.

The reference number: ……, Date: …/../2022, due on: …/../2022 should be super scribed on the sealed envelope.

AO (Procurement)
For Director, AIIMS Mangalagiri

Enclosure:

1.PAC Certificate by Department.
2. PAC Certificate by Manufacturer.
3. Technical Specifications.

Annexure - I

P – 3 FORM

(to be attached with P – 2 form for Proprietary items)

AIIMS Mangalagiri, Andhra Pradesh

PROPRIETORY ARTICLE CERTIFICATE

It is certified that the items **(SURGICAL OPERATING ZOOM MICROSCOPE OPHTHALMOLOGY- OPMI LUMERA 700)** required in the P – 2 form should be purchased from **M/s Carl Zeiss Meditec**. To the best of my knowledge **M/s Carl Zeiss Meditec** are the sole manufacturer / agents of the sole manufacturers M/s .....

Similar items manufactured by other firm (s) shall not be suitable for our purpose for the following reasons: -

1. **Stereo-coaxial illumination**: With this the light beam is split into 2 beams that separately follow the optical path of each individual ocular. This results in unique detail recognition, high-contrast brilliance and better depth perception. Combined with the completely apochromatically corrected optics with high light transmission, the system provides unprecedented and thus optimal imaging quality for ophthalmic surgery with less light delivered to the patient's eyes.
2. **The wide angled viewing system** (WAVS) from Carl Zeiss (RESIGHT 700) incorporates an inner focussing system (Varioscope) between the microscope and the aspheric lens of the WAVS. This allows fine focussing during surgery without the need to move the entire microscope up and down (ensuring that the microscope always stays in the same focal plane). This maximises ergonomics during the surgery. To the best of our knowledge, wide-angled viewing system from other companies do not have this integrated inner focussing system (varioscope) technology. Combined with this, the integrated invertertube reduces microscope stack-height, thus providing surgeons with the ability to sit in an upright and healthy posture while operating.
3. **RESIGHT700 with invertertube E** facilitate automatic re-inversion of images which is not present in any other microscope-WAVS system to the best of our knowledge. This feature allows the surgeons work freely without the need to constantly invert the image manually in between the surgery.
4. **The lens turret system** allows quick shift from peripheral to macular lens improving surgeon convenience and patient safety
5. RESIGHT viewing system is least affected by the pupil size and has minimal image distortion while viewing the peripheral retina
6. The integrated depth-of-field management system permits optimization of the microscope image to depth of field or light transmission

(Sign of Indenter)

Dated

Designation

Department

Recommendation:

Signature of Head of D

Annexure - II

Carl Zeiss Meditec AG 07740 Jena

The Director
All India Institute of Medical Sciences,
First Floor, Government Siddhartha Medical College,
AIIMS Temporary Campus
522503 MANGALAGIRI
INDIA

Division/Dept.: Sales
Your contact: Katja Dornheim

Carl Zeiss Meditec AG

Goeschwitzer Straße 51 - 52
07745 Jena, Germany

Telefon: +49 (0) 36 41 / 220 353
Fax: +49 (0) 36 41 / 220 282

Our ref.: CRI/ KSt
Date: 14 April 2021

PROPRIETARY CERTIFICATE FOR ZEISS OPMI LUMERA 700 SURGICAL MICROSCOPE FOR OPHTHALMIC SURGERY

We, Carl Zeiss Meditec AG, hereby certify that ZEISS OPMI LUMERA 700 Surgical Microscope for Ophthalmic Surgery is only manufactured by and is the proprietary product of Carl Zeiss Meditec AG, D73447 Oberkochen, Germany.

The OPMI LUMERA 700 offers the following unique combination of features and benefits which are not available with surgical microscopes manufactured by any other companies:

Stereo Coaxial Illumination (SCI) for constant brilliance and brightness- details of the patient's eye becomes visible. Combined with the completely apochromatically corrected optics with high light transmission, the system provides optimized imaging quality for ophthalmic surgery and documentation with minimal patient stress.

DeepView enabling the surgeon to select an optimized depth of field mode on the microscope

Superlux Eye xenon light source offering a white, high contrast and natural color impression of the surgical field and **HaMode** filter for halogen-like light. The Superlux Eye xenon light source is equipped with a **quick change mechanism** for changing the bulb in the event of failure, while with **its automatic bulb change**, the halogen light source moves the backup lamp automatically into position. If the motorized functions fail, the surgical procedures can be completed by using special buttons or via the manual mode of the system.

Motorized illumination components for red reflex and surrounding field of SCI, adjustable via foot control panel

Address of Record:
Goeschwitzer Strasse 51 - 52
07745 Jena, Germany

Address for Delivery:
Carl Zeiss Meditec AG
Carl-Zeiss-Promenade 10
07745 Jena, Germany

Banks:
Deutsche Bank Jena
Account: 624536900 (BLZ 820 700 00)
IBAN: DE90 8207 0000 0624 5369 00
BIC/ SWIFT: DEUT DE 8EXXX

Commerzbank Jena
Account: 258072800 (BLZ 820 400 00)
IBAN: DE31 8204 0000 0258 0728 00
BIC/ SWIFT: COBADEFFXXX

Commercial Register:
Local Court Jena HRB 205623

VAT-ID No.: DE 811 922 737
WEEE-Reg.-No.: DE55298748

Chairman of the Supervisory Board:
Dr. Michael Kaschke

Board of Management:
Dr. Ludwin Monz (CEO)
Justus Felix Wehmer
Jan Willem de Cler

or handgrips.

The **integrated keratoscope** option enabling visualization of corneal curvature.

Fully integrated 3 CCD MediLive Trio Eye video camera specially designed for the requirements of ophthalmic surgery, available in Standard Definition (SD) or High Definition (HD) versions.

Integrated HD video chain comprising of a camera monitor and video recording via USB.

Integrated assistant's microscope with independent focusing and its own motorized zoom. The magnification can be performed independently of or linked to the zoom of the main surgeon (freely configurable via software). The stereopsis corresponds to that of the main surgeon's microscope and functions without light loss for the main surgeon. Alternatively, the integrated assistant scope is also available as mechanical 5-step magnification changer option.

Motorized, swing-in retinal protection device activated by foot control panel or handgrips reduces the risk of phototoxic injury.

The **integrated beam splitter** guaranteeing a constant working height, also when additional accessories are attached. e.g. stereo coobservation tube.

Large **fine focusing range of 70 mm.**

Keratoscope, slit illuminator and USB video recording options are **integrated** into the system.

Perfect integration of **RESIGHT fundus viewing system, Invertertube E** and **integrated video camera.** The integration of these accessories and the associated partial automation of the required settings on the microscope facilitate the workflow in the OR considerably.

Wireless 14-function foot control panel with freely configurable keys (optionally with cable available)

Optimized workflow and maximum ease of use-thanks to the wireless foot control panel and the assistance functions of CALLISTO eye (option) such as Z ALIGN for toric IOLs, K TRACK, Incisions/LRI and microscope settings directly in the eyes with IDIS.

Simple to operate-reading of microscope settings or overhead display and fast focusing for switching readily between two different planes.

The integration of these accessories and the associated partial automation of the required settings on the microscope facilitate the workflow in the OR considerably.

Carl Zeiss Meditec AG
i.V.

2021.04.14
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+02'00'

Christian Richter
Head of Group Controlling

i.V.

Dornheim
Katja OGKST
Digital unterschrieben von Dornheim Katja OGKST
Datum: 2021.04.14 11:03:45 +02'00'

Katja Dornheim
Assistant
Distribution Partners EMEA & LATAM

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Annexure - III

Technical Specifications Of Operating Microscope

Surgical	Apochromatic optics should be present
	Should have Motorized continuous zoom system, 1:6 zoom ratio, range of magnification: 4x to 25.5x
	Focusing should be electric/motorized
	Inter-pupillary distance: adjustable from 55 to 75mm
	Binocular tube: • Should be an integrated invertertube • Invertertube should automatically (electronically) rotate inverted images into an upright position when working with the wide angled viewing system
	Eyepieces: should be widefield and 10x/ 12.5x with diopter setting from -8D to +5D
	Objective lens f = 200 mm
	Should have integrated depth of field management system
Illumination	Stereo-coaxial illumination (SCI) should be available
	LED light source with backup bulb should be available
	Halogen filter should be available to allow surgeons who prefer halogen to quickly switch to a light spectrum equivalent to halogen.
	Should have heat absorbing and UV Filters, Blue blocking filter and retina protection device
Foot control panel	Should be wireless For back-up a wire should also be available
	X-Y coupling: Around 60 mm x 60 mm adjustment range
	Free programmable button for starting positions of X-Y coupling, focus and zoom, light in the motorized foot control
Should have a display of current system settings for the operating surgeon	
Should have an integrated Assistant Scope	
Should have integrated HD camera for recording	
Should provide external USB storage of 1 TB atleast	
Should be provided with a Non-Contact Wide-Angle retinal viewing system with interchangeable Macula & Wide angle Lenses during surgery The Non-Contact Wide-Angle retinal viewing system: • Should allow automatic re-inversion of images during posterior segment surgery • Should have a lens holder with turret • Should come with a resterilizable 128D aspheric wide-field lens for providing peripheral visualization • Should come with a resterilizable 60D aspheric macular lens for providing high magnification view of the macula • Should provide a metal tray for sterilization of the lenses and the lens holder	
Suspension system	Floor stand should be available
Accessories	• Two sets of Sterilizable rubber caps for all knobs and dust cover to be supplied • Should provide resterilisable hand grips (6 number) • Main cable with power socket of standard Indian make to be provided • Ethernet interface for microscope including 10 mtr cable • Should provide a 32" TV monitor

Installation, Commissioning and Training

- The equipment and all accessories should be installed, tested and commissioned at the Department of Ophthalmology, AIIMS, Mangalagiri free of cost.
- The supplier must train the technical staff and faculty of the institute, regarding all the operations available on the system

Warranty and After Sales Service:

- The Equipment including all accessories including bought out items should be under WARRANTY for a period of 2 YEARS after successful commissioning.
- Comprehensive maintenance contract rates for 3 YEARS after warranty must be quoted.
- All spare parts and consumables should be available with supplier or principals for a period of at least 10 years.
- All repair calls to be attended within 48 hours.
- Machine downtime should never be more than a week. The dealer shall provide a 'standby machine' in case the machine downtime due to repairs is expected to be more than 30 days as the patient services should not be affected.
- Other conditions
    - Suppliers should have been in the market for at least 3 years
    - Suppliers should have made a large number of installations, within the last five years, in the country in reputed institutions and preferably in Government Hospitals with a proven track record of excellent after sales support for this system.
    - User-list of atleast 3 users must be enclosed.