



All India Institute of Medical Sciences Jodhpur

Admn/Prop/62/2021-AIIMS.JDH

Dated: 29th September 2021

Subject: Purchase of Operating Microscope for the Department of Burns and Plastic Surgery at AIIMS, Jodhpur on proprietary basis - **Inviting comments thereon.**

The Institute is in the purchase of Operating Microscope for the department of Burns and Plastic Surgery at AIIMS, Jodhpur from M/s Carl Zeiss Meditec AG, Oberkochen Site, Rudolf-Eber-Str. 11, 73447 Oberkochen, Germany on proprietary basis. The proposal submitted by M/s Carl Zeiss Meditec AG., 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/62/2021-AIIMS.JDH. The comments should be received by office of Deputy Director (Admin), Medical College at AIIMS, Jodhpur on or before 20th October 2021 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.

Yours faithfully,

Deputy Director (Admin)

Enclosed: Related documents enclosed.



All India Institute of Medical Sciences Jodhpur

Carl Zeiss Meditec AG 73446 Oberkochen

To whom it may concern

Carl Zeiss Meditec AG
Oberkochen Site
Rudolf-Eber-Str. 11
73447 Oberkochen

Date: April 11, 2019

ZEISS TIVATO 700

Enclosed a list of representative granted patents. The maximum validity term is listed in brackets. Further patents are under examination.

Please note that the listed patent status might change (e.g. due to patent lapse). If necessary, please request an updated letter from your sales representative.

Der Vorsitzende des Aufsichtsrats:
Dr. Michael Kaschke

Sitz der Gesellschaft:
Göschwitzer Str. 51-52
07745 Jena, Deutschland
Tel.: +49 36 41 220-0

Banken:
Deutsche Bank Jena
Konto: 624536900 (BLZ 820 700 00)
S.W.I.F.T.-Code: DEUT DE 8EXXX
IBAN: DE90820700000624536900

Amtsgericht Jena HRB 205623
UST-ID. Nr. DE 811 922 737
WEEE-Reg.-Nr. DE55298748

Der Vorstand:

Lieferanschrift:

Commerzbank Jena

Je Shripikarnakar

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Active Vibration Damping

DE102004008381 (20.02.2024)

US7109678 (30.06.2024)

JP4532188 (30.06.2024)

User Interface

DE102004004616 (29.01.2024)

US7594188 (23.08.2024)

Fluorescence Options

US8810907 (29.07.2031)

Foldable Tube

DE102009037921 (19.08.2029)

US8514488 (12.08.2030)

JP5620746 (18.08.2030)

- DE102004008381, US7109678, JP4532188 refer to the feature to avoid unwanted vibrations during procedures after the repositioning of the visualization system and during small movements. By means of robotically supported Active Vibration Damping these vibrations can be avoided.
- DE102004004616 refers to the feature to rotate the handgrips without a fixed stop using integrated sliding contacts.
- US8810907 refers to the option to change between white light and INFRARED 800 mode.
- DE102009037921 refers to the ergonomic insight view based on specific zoom optics using two tilting axis.

Dr. Christian Albrecht
Advanced Development
MED-MODA

सुधि कामाकर

J. Chhila

Jagan
Kapur

Amk

C



All India Institute of Medical Sciences Jodhpur



Carl Zeiss Meditec AG 73446 Oberkochen

The Director
All India Institute of Medical Sciences, Jodhpur
Basni Phase - II, Jodhpur,
Rajasthan-342005

Carl Zeiss Meditec AG

Oberkochen location
Rudolf-Eber-Str. 11
73447 Oberkochen
Germany

Phone: +49 (0) 7364/ 20 29287
e-mail: alexander.partsch@zeiss.com

Division/Dept.: MED-MSS
Your contact: Alexander Partsch

Date: 25.08.2021

PROPRIETARY CERTIFICATE FOR ZEISS TIVATO 700 FROM ZEISS FOR ENT, NEUROSURGERY, PLASTIC SURGERY, TRAUMA SURGERY & MAXILLOFACIAL SURGERY

Dear Sir,

We hereby certify that the **Zeiss TIVATO 700 from ZEISS** for ENT, Neuro Surgery, Plastic Surgery, Trauma Surgery & Maxillofacial Surgery is the **proprietary product of Carl Zeiss Meditec AG, Germany.**

The **TIVATO 700** from ZEISS is designed to deliver more functionalities than any surgical microscope today. It enhances precision and efficiency in the OR. Today's microsurgical landscapes require advanced technology capable of performing complex procedures in simple, intuitive ways. Reliable performance for all of your patients is key. TIVATO 700 is an Advanced Visualization System from ZEISS.

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

Address for Delivery:
Carl Zeiss Meditec AG
Rudolf-Eber-Strasse 11
73447 Oberkochen, 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)

Commercial Register:
Local Court Jena HRB 205623

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

Chairman of the Supervisory Board:
Dr. Karl Lamprecht

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

SP
J. Singh kasimata
Chhilar
Jagan
Suppt
Amul
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The following are the features and benefits of TIVATO 700:

The high-speed system, when treating complex vascular conditions, you typically work at high magnification. Even the slightest vibrations can cause disruptions. Constant manual repositioning to better visualize structures or precisely approach deep-seated lesions can become extremely tedious. Not anymore! ZEISS TIVATO 700 delivers a lot more positioning precision with a lot less effort. The large focusing range from 200 mm to 625 mm, almost convenient working distances for all procedures observation done through ocular lenses.

Workflow – Enhancing Visualization:

New treatment modalities, enhanced visualization, and brilliant broadcasting of procedure in the operating room – the surgical landscape is changing at a rapid pace. Without the best tools and most intuitive technologies, your workflow can be disrupted inside and outside of the operating room (OR). Workflow-Enhancing Visualization enables you to have state-of-the-art modalities at your fingertips. The ZEISS TIVATO 700 enables effortless use of advanced surgical visualization modalities and delivers superb image clarity for every procedure. Visualization – enhanced.

Intra Operative Fluorescence options:

Leveraging brilliant apochromatic optics from ZEISS, now venture into new fields including the use of intra-operative fluorescence 2 options. Assess patency of vessels joined by anastomosis with ZEISS INFRARED 800. Go even further with ZEISS YELLOW 560 to visualize fluorescence-stained structures for additional clinical applications.

Visualize with 4K:

Inside the OR, you can broadcast the procedure every step of the way in brilliant detail with the integrated 4K camera technology, while the large external monitor allows for easy viewing by your entire team.

Ultimate Reach & Flexibility:

gives you and your team the freedom to handle every OR situation with confidence. ZEISS TIVATO 700 offers excellent overhead clearance to work under the arm of the visualization

J. Srinivas Kumar

Dr. M. L. Choudhary

Dr. Anil Kumar

Dr. Anil Kumar

Dr. Anil Kumar

Dr. Anil Kumar



system in every setup. Position the base as your space allows and still operate comfortably with Ultimate Reach. When working with long instruments, rely on the large working distance of 200 – 625 mm to ensure continuous focus. Prepare the device with ease for daily use with convenient features like Auto-Balance™ and Auto-Drape®.

Active vibration dampening:

You know the problems that can be created by the tiniest vibrations. The active dampening provided by ZEISS TIVATO 700 minimizes collateral system vibrations, ensuring rock-solid stability. Enabling you to completely, and steadily, focus on what matters most: your treatment.

All Digital:

ZEISS TIVATO 700 offers you an intuitive graphical user interface that makes interaction with the system simple for everyone in your operating theater. It comes with a full connectivity package, including the ZEISS Connect App to digitally manage surgical data, and dedicated functionalities to integrate into an existing hospital IT infrastructure. The ZEISS Observe App enables streaming in real-time on a mobile device and ZEISS VR ONE Plus glasses. Remote connectivity enabled by ZEISS Smart Services offers you faster support to improve availability of your device.

ICG INFRARED 800 – HD resolution:

Intraoperative visual assessment of blood flow and vessel patency during aneurysm, bypass and AVM surgery is critical to your treatment. During such complex vascular procedures, the new high definition visual quality of ZEISS INFRARED 800 enables visualization of sub-millimeter blood vessels – for deeper insights into the blood flow dynamics.

ZEISS YELLOW 560:

Visualizes green-yellowish fluorescence for additional fields of research application. It is the first intraoperative fluorescence module to highlight the fluorescence-stained structures while visualizing non-stained tissue in its natural-like color.

Suipri Karmakar



Visualization of fluorescence-stained structures while performing left-temporal craniotomy for tumor resection using YELLOW 560. Obtained within the scope of a clinical investigation. For a complete picture: The Diagram Function outlines assessment of fluorescence intensity variation over time and fast access to the key indicators for further analysis.

ZEISS SMARTDRAPE:

A special focus to the OR preparation process in the development of ZEISS TIVATO 700. Being an integral part of the optical path, the SMARTDRAPE® with Vision-Guard® from ZEISS is designed together with ZEISS TIVATO 700 so you and your team can have the benefits of a vivid view, uninterrupted movement and effective patient protection. At the same time – the new innovations make the draping process simply simple. Innovative folding: to eliminate guesswork and complexity. Intuitive attachment: for an effortless and simple self-locking mechanism. Integrated RFID chip: for easy activation of Auto-Drape®.

Best regards

Carl Zeiss Meditec AG
i.V.

Alexander Partsch
Senior Business Manager

i.V.

Barbara Schmid
Assistant Sales Management



Carl Zeiss Meditec AG
Standort: Oberkochen
Hartmann-Eber-Strasse 11 · 73447 Oberkochen · Germany

Singhi Kamakar



All India Institute of Medical Sciences Jodhpur

Technical Specification of Operating Microscope Required Quantity: 01

MICROSCOPE BODY:

Motorized zoom magnification system with apochromatic optics, zoom magnification factors 0.4x to 2.4x, activation by handgrip and foot control panel, with manual override.

Total magnification range 18X or higher without the use of magnification booster.

Should have Internal motorized fine focusing system, activation by handgrip / foot control panel, continuously adjustable working distance from 200 mm to 625 mm without exchange of objective lens.

BINOCULAR TUBE:

Foldable binocular tube with focal length 170 mm / 260mm or higher. Facility of instant 50% additional magnification.

There should be Graduated knob for continuous adjustment of interpupillary distance from 55 mm to 75 mm.

AUTODRAPE (Smart Drape):

System should be capable of auto air evacuation when Draping the microscope by push of a button. It should provide an effortless and simple self-locking mechanism. Integrated RFID chip for easy activation of Autodrape function.

AUTOBALANCE:

System should be capable of balancing the microscope by push of a button.

RECORDING:

System should have completely integrated full HD recording through USB.

VARIOSCOPE:

Should have working distance through continuous varioscope from 200-625mm without any external attachment

EYEPIECES:

Pair of high eye point wide field push-in eyepieces 12.5x magnification with magnetic locks, diopter setting from -8D to +5D, also suitable for spectacles wearers.

ILLUMINATION SYSTEM :

Coaxial xenon illumination 300W with back up 300w xenon with quick-action lamp changer in case of failure of main lamp.

HANDGRIPS :

Microscopes should have easily manoeuvrable handgrips with adjustable keys for zoom and focus, Illumination & Magnetic brakes. It should have programming for magnetic brake for control of stand & Microscope body brakes

FLOOR STAND

Rollable floor stand on base with lockable castors, carrier and swivel arms with large reach of 1.60 m or higher "Should have free float magnetic system with Six magnetic brakes, Three brakes for Microscope body & three for Microscope Stand with release of magnetic brakes by handgrips" Integrated full HD monitor 21 inch or more for quick set up of different parameters and their activation such as automatic speed adjustment or automatic brightness setting depending on magnification "System should have facility for Auto Air evacuation system for drapes(Auto drapes).

System should have overhead display for showing important parameters".

External 55 inch or more 4K TV should be supplied.

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*Deep
Deept Kohli*

*Manoj Gul
24/8/2021*

आचार्य एवं अध्यक्ष/Prof. & Head
जलन एवं प्लास्टिक चिकित्सा विभाग
Burns & Plastic Surgery Block
अखिल भारतीय आयुर्विज्ञान संस्थान/A.I.I.M.S.
नई दिल्ली/New Delhi-110029



All India Institute of Medical Sciences Jodhpur

INTEGRATED DIGITAL 3 chip 4K VIDEO CAMERA SYSTEM

Advanced digital Completely Integrated 3 chip 4K video camera (3840 × 2160 p) system suitable for connection to PC, colour monitor. The camera should not be visible from outside, it should be integrated in the microscope head the microscope should also have video speed focus.

USER PROGRAMMING:

Programming for starting illumination, Magnification, working distance, Zoom speed & Focus speed for up to 40 different users.

FLUORESCENCE:


The microscope should be supplied with integrated vascular fluorescence Infrared 800. The ICG Infrared 800 should be HD resolution.


FACE TO ATTACHMENT WITH FOLDABLE TUBE HAVING FOCAL LENGTHS 170MM / 260MM AND SYMMETRIC DESIGN. ALSO CAPABLE OF INSTANT ADDITIONAL 50% MAGNIFICATION.

ALSO STEREO CO-OBSERVATION TUBE FOR THE ASSISTANT.

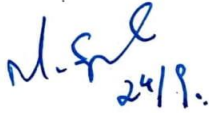
THE STEREO CO-OBSERVATION SHOULD NOT MOVE WITH THE MOVEMENT OF THE MICROSCOPE HEAD AND SHOULD BE INDEPENDENT OF THE MOVEMENT OF MICROSCOPE HEAD

IT SHOULD HAVE USFDA or EUROPEAN CE STANDARDS


(Dr. Prakash Ch.
Kala)


(Dr. Biman Kr.
Dixit)


Dr. Deepak K. Kataria


M. S. S. 24/9.

आचार्य एवं अध्यक्ष/Prof. & Head
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