

DR. RAJENDRA PRASAD CENTRE FOR OPHTHALMIC SCIENCES
All India Institute of Medical Sciences
Ansari Nagar, New Delhi-29

Ref. No. SO/RPC/Proprietary/Navigation/2014-15

Dated: 12.08.2014

Subject: Purchase of Retinal Laser Navigation System – 01 No. for Dr. R.P.Centre at AIIMS, New Delhi-29 on proprietary basis- Inviting comments thereon.

The request received from respective faculties of Dr. R.P.Centre AIIMS for the purchase of subject cited equipment from M/s. ODOS GmbH, Germany, on proprietary basis. The proposal submitted by M/s. ODOS GmbH, Germany and PAC certifications are attached & uploaded on website.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/item within 15 days from the date of issue/uploading of the notification giving reference **SO/RPC/Proprietary/Navigation/2014-15**. The comments should be sent to Stores Officer, Dr. R.P.Centre at AIIMS on or before **02.09.2014 upto 12.30 P.M.**, 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,

STORES OFFICER (RPC)

Encl: Related documents enclosed.

- 1. PAC Certificate enclosed.**
- 2. Specification of equipment.**

SPECIFICATION

- **Navigated laser system with a digital camera and eye tracker for retinal photocoagulation**
- Real time high definition imaging of posterior pole and periphery
- Digital planning with image integration and analysis
- Plan live overlay and target assist for reproducible treatment accuracy
- Spot by spot digital documentation for outcome analysis and standardization of therapy.
- Custom designed camera for real time digital fundus imaging
- Multi-color high power LED illumination
- Scanning technology with patented reflex suppression method
- Computer guided XY scanning system for automatic pre-positioning
- Coupling via fiber-optic cable and dichroic mirror

Imaging Modes

- **True color (including non-myd snap)**
- **Infrared (treatment default)**
- **Fluorescein angiography (focal imaging)**
- **Red free(processed true color)**

Focal Optics

- Field of view 50deg/ 30deg/ 10deg static, 110deg dynamic
- Focal adjustment +/- 15 diopter

Pattern Generation

- Pre-planned, individually navigated laser spots and grid patterns
- Fully navigated patterns with individual spots positioning (adjustable 160- 400ms)
- Navigated fast patterns
- Conventional mode fast patterns

Laser Type

- Photo coagulation laser 577 nm diode pumped, solid state frequency doubled Nd (class IV 2000mw max).
- Aiming beam 635 nm diode laser (class II, < mW)

Laser Parameter Range

- 50-500microns focal spot size/ 75-750 microns peripheral spot size
- 50-2000mw intensity
- 10-5000ms pulse duration

Controls

- Touch screen interface 15inch, wireless mouse and keyboard
- Multi-functional joystick, with top and front buttons, focus wheel and trackball
- PC based digital processing unit

Software

- Suitable software for imaging for capturing, displaying, storing and manipulating images of the retina created using color, fluorescein angiography and infrared imaging.
- Options of highlighting the optic disc and fovea as caution zones.
- Image guided treatments including specialized and patented (proprietary image overlay algorithms).
- Unique multi modal planning options to integrate external images, such as FA, ICG angiography and OCT thickness map.

Network access

- RJ45 Ethernet connector, sharing of images/data/treatment plans, network printing, remote service

Electrical requirements

220-240VAC

OD-OS

RETINA NAVIGATION COMPANY

OD-OS GmbH · Wertheimstraße 21 · D-14513 Teltow

**The Chief
RP Center
AIIMS
New Delhi -110029
India**

OD-OS GmbH
Wertheimstraße 21
D-14513 Teltow
Germany

Phone: +49 (3328) 312 82 100
Fax: +49 (3328) 312 82 999

E-Mail: info@od-os.com
Web: www.od-os.com

Teltow, April 30, 2014

Proprietary Certificate - Confidential

Dear Sir or Madam:

OD-OS GmbH hereby certifies to AIIMS, that the **Navilas® Laser System** sold as **Navilas® Laser System 532** (532 nm treatment laser) or **Navilas® Laser System 577+** (577 nm treatment laser with microsecond pulsing) has the following specifications. It is also certified, that features marked in *ITALICS* are not available in any other retinal photocoagulator by any other manufacturer.

Imaging Technology and Laser integration

- *Navigated laser system with a digital camera and eye tracker for retinal photocoagulation*
- Real time high definition imaging of posterior pole and periphery
- *Digital planning with image integration and analysis*
- *Plan live overlay and target assist for reproducible treatment accuracy*
- *Spot by spot digital documentation for outcome analysis and standardization of therapy.*
- *Custom designed camera for real time digital fundus imaging*
- *Multi-color high power LED illumination*
- *Scanning technology with patented reflex suppression method*
- *Computer guided XY scanning system for automatic pre-positioning*
- Coupling via fiber-optic cable and dichroic mirror

Imaging Modes

- True color (including non-myd snap)
- Infrared (treatment default)
- Fluorescein angiography (focal imaging)
- Red free (processed true color)

Berliner Bank AG (Euro)
Bank code: 100 708 48
Account 511 717 100
IBAN: DE 92 100 708 480 5117171 00
S.W.I.F.T.-Code: DEUT DE DB 110

Berliner Bank AG (USD)
Bank code: 100 708 48
Account 511 717 100
IBAN: DE 92 100 708 480 5117171 00
S.W.I.F.T.-Code: DEUT DE DB 110

CEO
Dr.-Ing. Winfried Teltow
Commercial Register:
Amtsgericht Potsdam HRB 20650P
VAT ID #: DE 258173024

Focal Optics

- Field of view 50deg/ 30deg/ 10deg static, 110deg dynamic
- Focal adjustment +/- 15 diopter

Pattern Generation

- Pre-planned, Individually navigated laser spots and grid patterns
- Fully navigated patterns with individual spots positioning (adjustable 160- 400ms)
- Navigated fast patterns
- Conventional mode fast patterns

Laser Type

- Photocoagulation laser: 532 nm or 577 nm; Diode-pumped solid state frequency-doubled Nd:YVO or optically pumped semiconductor (OPSL); Class IV
- Aiming beam 635 nm diode laser (class II, <1 mW)

Laser Parameter Range

- 50-500microns focal spot size/ 75-750 microns peripheral spot size
- 50-2000mw intensity
- 10-4000ms pulse duration with microsecond pulsing option: 50-500 μ s pulse duration (duty cycle: 5 %, 10 %, 15 %, variable)

Controls

- Touch screen interface 15inch, wireless mouse and keyboard
- Multi-functional joystick, with top and front buttons, focus wheel and trackball
- PC based digital processing unit

Software

- Suitable software for imaging for capturing, displaying, storing and manipulating images of the retina created using color, fluorescein angiography and infrared imaging.
- Options of highlighting the optic disc and fovea as caution zones.
- Image guided treatments including specialized and patented (proprietary image overlay algorithms).
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Network access

- RJ45 Ethernet connector, sharing of images/data/treatment plans, network printing, remote service

Electrical requirements

- 220-240VAC

The Navilas® Laser System is protected by a large number of international patents and patent applications covering the above-mentioned features outlined in the attached patent overview.



Best Regards
OD-OS GmbH

A handwritten signature in black ink, appearing to read "E. Blazek". The signature is fluid and cursive, with a long horizontal stroke at the end.

Erik Blazek
Director Market Access & Key Accounts

Attachment: OD-OS Patent Overview