

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

Ref. No. SO/RPC/Femtosecond/2015-16

Dated: 29.08.2015

**Subject: Purchase of Femtosecond Laser for Creation of Intraocular Refractive Pocket-01 No. for Unit-III, Dr. R.P.Centre at AIIMS, New Delhi-29 on proprietary basis-Inviting comments thereon.**

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As per decision taken/ approved by Competent Authority of Dr. R.P.Centre AIIMS for the purchase of subject cited equipment from M/s. Carl Zeiss Meditec AG, Germany, on proprietary basis. The proposal submitted by M/s. Carl Zeiss Meditec AG, 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/Femtosecond/2015-16**. The comments should be sent to Stores Officer, Dr. R.P.Centre at AIIMS on or before **15.09.2015 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

Solid state laser for refractive correction, femtosecond technology and lenticular extraction without ablation, without flap lifting to provide minimally invasive vision correction for a flapless, all-femto and single-step procedure

1. Wavelength 1043 nm or more
2. Frequency of Laser Pulse rate : 500KHz or more
3. Pulse Duration 220 - 580 fs.
4. Spot energy < 200 - 500nj.
5. Small incision of less than 4mm.
6. Flap Thickness : 90 to 200  $\mu$ m.
7. Flap Diameter 7 to 9.5 mm.
8. Incision depth : 80 to 975microns.
9. Hinge location: ability to create. Superior Nasal/Temporal hinges any where 0 to 359°
10. Spot diameter: 1 —5 microns
11. Side cut angle - variable from 40 to 130 degree for making flap.
12. System Components –Pivotal Patient Supporting System with platform, Integrated UPS, Surgical microscope with additional integrated slit illumination, Integrated Video Camera.
13. Treatment Application: Unique flapless laser vision correction procedure to creates the pre- calculated lenticule in the cornea with precision and predictability.
14. Myopia treatment with treatment range up to 0.75D – 10D or higher and Astigmatism of 0.25D - 5D or higher.
15. Penetrating Keratoplasty (PKP) , Deep Anterior Lamellar Keratoplasty (DALK), Descemet's Stripping Endothelial Keratoplasty (DSEK).
16. Intra corneal ring(ICR) with custom made segments Inner diameter of ring tunnel ( Outer diameter of ring tunnel , Incision depth of inner ring tunnel , incision depth of outer ring tunnel, Anterior width of access incision ICR should also offers to create inclined cutting geometries and tunnel segments between 90°and 270°.

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17. Flap for Femto - Lasik combine procedures
18. Treatment pack should be single use anatomically spherical curved contact lenses.
19. Keratoplasty Adapter for patient supporting system.
20. Computer controlled Bed for Femto second laser.
21. Fully Computer Controlled Suction system for docking of eye to prevent loss of vision and trauma
22. The high-quality surgical microscope, including digital video camera with live surgery recording to gives the surgeon a clear visual control during the entire treatment.
23. IOP should not increase more than 110 mm of Hg during the procedure.
24. Must be equipped with two numbers of totally integrated Monitor for displaying treatment planning and live integrated camera images
25. Pocket for presbyopic or other intra stromal corneal implants
26. Digital HD recording system with transfer of data storage facility
27. Trunkey project for fully functional system ready for use
28. Full time technical support for 3 years



CARL ZEISS MEDITEC

The Chief  
Dr R P Center  
AIMS  
New Delhi

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Division/Dept.: OPH\_R  
Your contact: Roland Voigt

Your ref.:  
Yours of:  
Our ref.:  
Date: 12.05.2015

**PROPRIETARY CERTIFICATE FOR ZEISS VISUMAX® FEMTOSECOND LASER SYSTEM**

We hereby certify that the ZEISS VisuMax Femtosecond Laser System including its full range of options and accessories is a proprietary product of Carl Zeiss Meditec AG, Germany.

The ZEISS VisuMax Femtosecond Laser System allows surgeons to create flaps for LASIK procedures and, when equipped with ReLEx optional module, can be used to perform Femtosecond Lenticule Extraction (FLEx) and Small Incision Lenticule Extraction (SMILE).

In addition, when equipped with the respective optional modules, the system can create pockets for Intra-corneal Rings implantation and be used to perform Keratoplasty procedures.

The system includes motorized patient bed, surgeon's chair, ZEISS built-in microscope, dual screen monitor and video recording system.

The VisuMax Femtosecond Laser System is manufactured in Jena, Germany.  
MEL 90 Excimer Laser System is manufactured in Jena, Germany.

Ch  
Dr. Michael Kaschke

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Page 2 of 2

Carl Zeiss Meditec AG

Best regards

Carl Zeiss Meditec AG  
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