Subject: Purchase of equipment Femtosecond Laser for Cataract Surgery – 01 No. for Dr. R.P. Centre at AIIMS, New Delhi-29 on proprietary basis- Inviting comments thereon.

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The request received from respective faculties of Dr. R.P. Centre AIIMS for the purchase of subject cited equipment from M/s. Alcon India Pvt. Ltd. on proprietary basis. The proposal submitted by M/s. Alcon India 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/LaserCataractSurgery/2012-13. The comments should be sent to Stores Officer, Dr. R.P. Centre at AIIMS on or before 30.01.2013 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.
**Specifications:**

**ITEM: Femtosecond for Cataract Surgery**

- The femto second laser system for cataract surgery should be able to perform anterior capsulotomy, phaco-fragmentation, corneal tunnel, bimanual side incisions along with the creation of uniplanar or multiplane arc cuts.

- All the above applications and the system should be FDA approved.

- Live High Definition 3D Fourier Domain OCT images should be available.

- It should be able to perform capsulotomy guided by 360 degree circle scan OCT.

- The patient interface should enable bimanual incisions for Irrigation & Aspiration and the system should allow coupled arcuate incisions as per its nomogram.

- The cone of the patient interface should fit eyes of all sizes.

- The patient interface should have soft contact lens to conform to the natural curvature of the cornea and the IOP should not exceed 16mmHg.

- The company should have after sales facility and a technically skilled service back up in Delhi/NCR.
November 9th, 2012

The Stores Officer,
Dr. R.P. Centre for Ophthalmic Sciences
All India Institute of Medical Sciences (AIIMS)
Ansari Nagar,
New Delhi – 110029

Dear Sir,

Sub: Proprietary Certificate

This is to certify that LenSx laser system is a proprietary product of Alcon LenSx, Inc. (Aliso Viejo, California, USA). The LenSx Laser has a number of features of that are proprietary and that are wholly property of Alcon LenSx Inc., and of Alcon Laboratories a Novartis company. Surgeons and their patients have benefitted from the accuracy, reliability and customization, the market leading LenSx Laser technology.

Below is the list of the unique features which include but not limited to:

**The LenSx Laser Engine**

The laser engine is specifically designed with a number of unique opto-mechanical features that allow it to generate the laser energy appropriate for laser surgery of the eye. Its design, specification and performance have been engineered for efficient performance in the intraocular treatment.

**The LenSx Laser Delivery System**

The delivery system uses a novel optical arrangement that allows it to focus and scan laser light for ocular surgery. This arrangement also incorporates coincident use of an optical coherence tomographer(OCT) and a video microscope. This entire system is mounted on a motorized gantry that is controlled by the surgeon.
The LenSx Laser OCT

The LenSx Laser optical coherence tomographer uses a novel optical arrangement that allows it to generate deep images of the eye with sufficient resolution to establish surgical geometry. The OCT scanning methodology, scanning performance and image generation are proprietary. The scanning images include but are not limited to line scans producing cross-section images of the eye, line scans of the cornea, and circle scans of the capsule.

The LenSx Laser Video Microscope

The LenSx Laser video microscope uses a novel optical arrangement that allows it to image the surgical field with sufficient resolution and color fidelity to establish surgical geometry.

LenSx Laser Software

The LenSx Laser software is a unique real-time software application developed by Alcon LenSx, Inc. It controls data entry, pattern computation, surgical execution and error recovery. In addition, it generates and displays surgical geometry on the video microscope and OCT while allowing the surgeon to make image-guided changes.

The LenSx Laser Chassis

The LenSx Laser Chassis is specifically designed to accommodate multiple electrical power inputs in a single electrical platform. The Chassis is designed to house the proprietary control systems that govern the function of the laser engine, the delivery system and computer system. The Chassis also incorporates a motorized gantry that is used to position the delivery system during surgery.

The LenSx Laser Patient Interface

In addition to the laser system, the LenSx Laser Patient Interface is sterile accessory that is used to during surgery. This proprietary device is specifically designed for use with the laser system. During use it is mounted onto the laser's delivery system and to a vacuum port on the system console. The surgeon uses the gantry to dock the patient interface onto a patient's eye. A light suction is then applied to the via the vacuum port to hold the eye fixed relative to the delivery system. A proprietary radio frequency identification tag (RFID) is automatically detected on the interface to activate a surgical treatment. After surgery, the Patient Interface is disposed of as a medical waste.

This does not represent a complete list of proprietary component features available on the LenSx Laser.

We are committed to continue partnering with surgeons to provide the following innovations for the LenSx Laser to improve ophthalmic surgical procedures:

- High Definition OCT delivers higher resolution and crisper visualization
• Contour Guided Capsulotomy
• The proprietary Patient Interface facilitates bimanual incisions for Irrigation & Aspiration
• Coupled arcuate incisions can be of different sizes to allow for nomogram or SIA compensation
• Proprietary soft contact lens technology enables the natural curvature of the cornea to conform to the soft contact lens insert with the following benefits
  o Lowers IOP rise of 16mmHg
  o Does not require any additional gel or liquid interface
  o Better visibility with no fogging
  o Greater patient comfort

The LenSx® Laser is revolutionizing cataract surgery and helps surgeons and eye care institute’s the higher demands of refractive cataract patients.

Additional Details

• 1st Femtosecond cataract laser introduced in 2011
• LenSx® Laser is the only Femtosecond laser with U.S. FDA clearance for capsulotomy, lens fragmentation, all corneal incisions and corneal flaps
• More than 200 LenSx® Lasers installed in 42 countries
• More than 50,000 cataract procedures have been performed globally with the LenSx® Laser
• More than 1,000 surgeons have trained & utilizing LenSx® Laser in daily practice

If there are any additional questions, please contact your Alcon LenSx representative.

Thanking you,

Yours sincerely,
For Alcon Laboratories (India) Pvt. Ltd.,

[Signature]

Thiruvengadam Subramanian
Authorized signatory