

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

Ref. No.SO/RPC/Proprietary/Advance Phacoemulsification/2014-15

Dated: 12.08.2014

Subject: Purchase of equipment Advance Phacoemulsification System – 02 Nos. 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. Alcon Laboratories Inc., USA on proprietary basis. The proposal submitted by M/s. Alcon Laboratories Inc., USA 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/Advance Phacoemulsification/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.**

Specifications: -

The phacoemulsification system should be of the latest model with advanced features and facilities as specified below:

Fluidics:

1. The System Fluidics should allow the surgeon to target intraocular pressure in the eye for the “system” during surgery.
2. The System Fluidics should detect and compensate for dynamic changes occurring in the fluidics system (including Irrigation Pressure Detected at IPS & Aspiration Pressure detected at APS) to maintain the surgeon selected target IOP in the fluidics system comprising the eye as well.
3. The System Fluidics should lead to excellent chamber stability via less variation in pressure during the procedure compared to other systems with:
 - Highly non compliant tubing
 - Slow almost zero venting of air in fluidics system
4. Optical Pressure Sensor (OPS)
 - Measures deflection of Irrigation & Aspiration Pressure Sensor diaphragms
 - Read 2D barcode with calibration info
5. Dual Segment Pump with Advanced Fragmented Pump design
 - High Capacity
 - Low Pulsations (waveform canceling)
6. Should have the facility to use Vacuum level of 650 + mm Hg and reach Aspiration Flow Rates of 60 CC/Min.

Phacoemulsification:

1. Best in Class Phaco: Torsional Hand Piece and facility with high efficiency “Balanced Tip” which accounts for the least heat generation at the wound site.
2. Capability to perform MICS with sub 2.0 mm sizes as well with the use of Balance Tip and appropriate disposables.
3. The system should indicate the Patient Eye Level (PEL) at all times during the surgery.
4. The System should also give warning for the Irrigation Empty Bag.
5. System should have the ability to drive Torsional hand Piece with an oscillating frequency of 32 khz).
6. The torsional handpiece should be able to drive latest generation PhacoTips like Keman, Flared, min flared and aspiration bypass (ABS) tips in both 1.1MM or 0.9MM configurations.

Other Features:

1. AutoSert- Motorized/ Automated IOL injection
2. Ergonomic Wireless Footswitch
3. Facility for integration with “Digital Surgical Guidance” systems and also display of machine parameters and guidance parameters as Heads Up Display in the microscope as well by means of external accessory/ adaptation as described below.
 - Integration with Surgical Guidance System
 - Seamless integration of guidance steps into the procedural sequence
 - Phaco parameters overlay in surgeon’s ocular

- Patient/Eye confirmation in the OR: registration of eye with respect to pre-operative reference image
 - Eye tracking and guidance overlay for
 - Incision
 - Capsularhexis
 - IOL centration and/or orientation
4. Facility to integrate “High Definition Media Centre” archiving system when connected to the system.
- HD Recording on built-in hard drive or USB
 - Centurion data embedded in each video frame
 - Wireless connection to Centurion
 - Basic editing capabilities
 - Remote Control
5. The System should be able to drive have 23ga anterior Vitrectomy probe with high speed cut rates of 4000 CPM

System should have a wireless remote control for easy changing of functions etc during surgery, a full fledged Graphic User Interface (GUI) complete with voice feed back when parameters are changed etc.



Alcon Laboratories (India) Pvt. Ltd.
C-41, Okhla Industrial Area Phase- II,
New Delhi- 110 020.

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E-mail : alcon.delhi@alconlabs.com

30th April 2013

Proprietary Article Certificate(PAC) for Centurion Phacoemulsification System.

This is to confirm that the **Centurion Phacoemulsification System** is a **Proprietary Product** of our principals **M/S Alcon Laboratories Inc. Fort Worth, Texas, USA** with the following Salient/Unique Features:

1. **Best in class Phacoemulsification:** Ozil Torsional Hand with IP, Intelligent Energy Management System for very high Efficacy during anterior Procedures, along with high efficiency "**Balanced Tip**" which accounts for the least heat generation at the wound site .
2. **Intrepid AutoSert – Motorized/Automated IOL injection System.**
3. **Dual Segment Pump with Advanced Fragmented Pump design**
 - a. High Capacity
 - b. Low Pulsations (waveform canceling)
4. **Optical Pressure Sensor (OPS)**
 - a. Measures deflection of Irrigation & Aspiration Pressure Sensor diaphragms
 - b. Reads 2D barcode with calibration info.

5. **Irrigation Pressure Sensor(IPS):-**

The System Fluidic detects and compensate for dynamic changes occurring in the fluidics system (Including Irrigation Pressure Detected at IPS & Aspiration Pressure detected at APS) to maintain the surgeon selected target IOP in the fluidics system comprising the eye as well.

The System Fluidics allow the surgeon to target intraocular pressure in the eye for the "system" during surgery.

Contd. N...2/-

Registered Office:

Unit No. 502, 5th Floor, Tower D, RMZ Infinity, Benniganahalli, Old Madras Road,
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6. The system indicates the **Patient Eye Level (PEL)** at all times during the surgery .
7. The System have the facility to integrate "**High Definition Media Center**" archiving system when connected to the system.
 - HD Recording on built-in hard drive or USB
 - Centurion data embedded in each video frame
 - Wireless connection to Centurion
 - Basic editing capabilities
 - Remote control
8. The System have the Facility for integration with "**Digital Surgical Guidance**" systems and also display of machine parameters and guidance parameters as Heads Up Display in the microscope as well by means of external accessory /adaptation.
9. The System drives **23ga** Anterior Vitrectomy probe with high speed cut rates of **4000 CPM**.
10. The System also gives warning for the Irrigation Empty Bag.

The declarations is being issued for Tender Process.

Thanking You

Yours Sincerely
For Alcon Laboratories India Pvt. Ltd,


Amit Saxena
(Zonal Sales Manager – Key Accounts)

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