

**All-India Institute of Medical Sciences**  
**Ansari Nagar, New Delhi-29.**  
(RESEARCH SECTION)

Ref. No.06/Store/Path/AKD/2014-15/RS

**Dated: 23.07.2014**

**Subject:** Purchase of equipments required for High Speed Centrifuge for the department of Pathology at AIIMS, New Delhi-29 on proprietary basis- **Inviting comments thereon.**

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The request received from Dr. A. K. Dinda, Deptt. of Pathology, AIIMS by M/s. Beckman Coulter International S. A. Switzerland on proprietary basis. The proposal submitted by M/s. Beckman Coulter India Pvt. Ltd. and PAC certifications are attached.

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 issue of 15 days giving reference **No. 06/Stores/Path/AKD/2014-15/RS** The comments should be received by office of Stores Officer (RS), Research Section at AIIMS on or before **08.08.2014 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 (RS)**

**Encl: Related documents enclosed**  
**PAC Certificate enclosed**  
**Specification of equipment**

## SPECIFICATIONS FOR FLOOR STANDING HIGH SPEED CENTRIFUGE

1. RCF: 110,000xg
2. RPM: 30,000
3. Max. Capacity (with Fixed Angle rotor): 1000 ml x 4
4. Max. Capacity (with Swinging Bucket Rotor): 250 ml x 4
5. Air cooled, High Torque patented Switch Reluctant (SR\*) Drive.
6. Imbalance Tolerance: 2.5% of Opposing Loads or more
7. Accel/Decel Profiles: 11 Accel, 12 Decel or more
8. Run Time: 99 hours, hold
9. Pre-Cooling Function: Yes
10. Temperature Set Range: -10°C to + 40°C ± 2°C
11. Should have option for HEPA filters for Biosafety
12. Auto- Rotor Identification
13. Other Functions:
14. Simple set-up with touch pads, bright interactive Large LED display.
15. Library of up to 30 or more programs.
16. Door opens without using door open bar.
17. Universal Power: 200-240V, 50/60Hz, 30A, and Single Phase
18. Suitable Servo Voltage Stabilizer.
19. **Machine should be supplied with:**
  - a. Fixed angle Titanium rotor with patented fluid-containment annulus, located below the a-ring sealing surface volume 8 x 50 ml RPM: 30,000 and RCF: 110,000 x g along with adapters for 10ml and 1.5ml tubes.
  - b. Swing out rotor: 6 x 15 ml RPM: 24,000 and RCF: 110,000 x g.
20. Warranty: 3 years or more onsite.
21. Annual maintenance should quote separately for another three years after the warranty period.
22. **Optional Rotor:**
  - a. Swing out rotor: 6 x 50 ml RPM: 13,000 or more and RCF: 26,500 xg



June 23<sup>rd</sup>, 2014

**TO WHOM IT MAY CONCERN**

*This is to certify Beckman Coulter Inc. USA make Avanti J-30I High Speed Centrifuge with SR Drive and rotors JA-30.50Ti fixed angle and JS-24.15 swing bucket are proprietary items of Beckman Coulter.*

*The patented Switch Reluctant Drive (SR Drive)  
&*

*The JA-30.50 Ti rotor has a patented fluid-containment annulus, located below the O-ring sealing surface.*

*Only Beckman Coulter has patent rights to manufacture Avanti J-30I high speed centrifuge, its rotors and accessories and to the best of our knowledge no other manufacturer in the world manufactures the same.*

Sincerely yours,

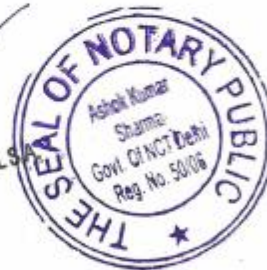
Signatures:

Name:

Designation:

Seal:

ATTESTED  
NOTARY PUBLIC  
DELHI  
30/6/14



BECKMAN COULTER INTERNATIONAL S.A.  
22, RUE JUSTE-OLIVIER  
CASE POSTALE 1059  
1260 NYON-1, SWITZERLAND

- Encl.: 1. Technical documentary evidence of JA-30.50 Ti rotor.**
- 2. License Agreement and Patents of SR Drive.**