

**Centre for Applied Research in Electronics  
Indian Institute of Technology Delhi**

13<sup>th</sup> June 2013

**NIQ for Clean Benches to be Procured in Centre for Applied Research in Electronics**

The Centre for Applied Research in Electronics is planning to purchase **Clean room benches of class-100** (quantity = 2 nos). This is in reference to our previous NIQ for the purchase of “clean benches of class 100” with NIT no. **3332** dated **31.05.2013**. *The specification for the inner working space dimensions of the clean bench has been revised to (6 × 4 × 6) ft.* Quotations for suitable systems matching the desired specifications and following IIT Delhi norms are hereby invited for the purchase. The vendors who do not want change their submitted technical and financial bids need not send a new/fresh quotation.

**I. Specification of Clean Room Bench**

- |  |          |   |
|--|----------|---|
| 1. Class   | :        | 100   |
| 2. Body Material                                     | :        | Anodized PVDF Coated Aluminum or Polished SS304               |
| 3. Maximum Height                                    | :        | 7.5 ft  |
| <b>4. Inner working space dimensions (L x W x H)</b> | <b>:</b> | <b>(6 × 4 × 6) ft</b>   |
| 5. HEPA Filter Efficiency                            | :        | better than 99.9% @ 0.3µm                                     |
| 6. Fluorescent Light 4 feet                          | :        | 2 nos.  |
| 7. Power consumption                                 | :        | < 2.5 KW  |
| 8. Power Requirement                                 | :        | AC/ 1 Phase/ 220V/ 50 Hz                                      |
| 9. Mechanical Sound level                            | :        | 10-20 dB or lowest possible                                   |
| 10. Vinyl curtain/stripes                            | :        | Antistatic  |
| 11. Warranty   | :        | Minimum 1 year. (For next 2 years should be quoted as option) |

**ADDITIONAL OPTIONS**

These may be quoted separately as optional capabilities of the equipment. All options must be fully compatible with the above specified configuration.

1. **Spares** not included in the above system and needed for normal or additional operation for one year should be mentioned separately.
2. **AMC**: For additional three years without spares.

The suppliers/manufacturers are requested to submit the quotations for the above mentioned equipment by **20<sup>th</sup> June 2013**.

***I. ALL BIDS MUST HAVE THE FOLLOWING INFORMATION.***

1. *Supplier must mention the following details about the warranty*: Number of years, starting date (from the date of installation). Additional charges in case extended warranty is required. Also mention if different components have different periods of warranty.
2. Warranty at customer site.
3. Please indicate the critical spares and their expected life time.

4. Quote the prices of listed accessories separately.
5. Delivery period must be clearly mentioned.
6. Validity of the quotations should be at least for 90 days.
7. All quotations must be FCA or Freight on Receipt
8. Please provide user list of similar systems installed within India and abroad.
9. Specification compliance certificate
10. Bank details on which the letter of credit is to be issued
11. The letter of credit will be opened for 100% of the cost of the system. 90% of the amount will be released after the receipt of shipping documents. The balance 10% will be released within one month of successful demonstration at the site of installation.
12. Information for the wire transfer details should also be provided.
13. The information on utility facilities, foot print of the machine and the weight of the system must be provided in the technical bid.
14. Specification of the quoted device should be supported by original manufacturer's pamphlet/certificate.

## ***II. PLEASE NOTE THE FOLLOWING POINTS.***

1. Mode of payment will be through letter of credit in case of imported items.
2. The Institute has the right to accept or reject any or all quotations without assigning any reasons.
3. The bidder must submit quotation for at least one full equipment excluding optional. Quotations for individual parts will be rejected.
4. Since, the equipment is meant for teaching purpose in a reputed educational institute in India, a special price discount may be offered.

### **The sealed quotations must be submitted to:**

Prof. B. S. Panwar  
Block III, Room 212/213  
Centre for Applied Research in Electronics  
Indian Institute of Technology Delhi  
Hauz Khas, New Delhi – 110016 (India)

For any clarification please send E-mail to: [\*bspanwar@care.iitd.ernet.in\*](mailto:bspanwar@care.iitd.ernet.in)

<b>DEADLINE for submitting the quotations: 5:00 PM, 20<sup>th</sup> June 2013.</b>
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