

**Specifications for Cylindrical / Rectangular High pressure Horizontal
Autoclave**

October 5, 2012

- **Triple walled (All SS 304) Construction**
- **Radial locking arrangement and self locking safety door device**
- **Lid made of stainless steel thick plate**
- **Hydraulically tested up to 40 psi and working pressure 10-25 psi \pm 1 psi**
- **Automatic pressure switch and automatic low water cut off device**
- **Vacuum Breaker Moisture trap should be provided**
- **Multiport/ Three way valve for easy operation**
- **ISI marked heating elements easily replaceable**
- **Bioler also made of SS304**
- **For additional safety, it should be fitted with spring loaded safety valves**
- **Provided with SS carriage and MS trolley**
- **Electrically operated at 440 volts, three phase**
- **Digital temperature indicator**
- **Size of working chamber 3'X3'X2' (rectangular) & 3' X 3' (Cylindrical) Quotation should be submitted separately for both the units**

Unit mounted on sturdy tubular stand made of MS duly painted.

Terms and Conditions –

1. Please submit the TECHNICAL and FINANCIAL bids in separate sealed envelopes. Mark the two envelopes clearly as "Technical Bid" and "Financial Bid". Both the sealed envelopes should be sent in a single sealed envelope, clearly marked as "Quotations for Purchase of Horizontal autoclave due on 29.10.2012". The quote should reach the following address on or before 29.10.2012, upto 5 PM.

**Prof. A. K. Srivastava
Department of Biochemical Engineering and Biotechnology
Indian Institute of Technology Delhi
Hauz Khas, New Delhi-110016**

2. Please quote prices at F.O.B. New Delhi, inclusive of installation charges.
3. Technical bid should contain **compliance chart** based on specifications as per NIQ, but must not contain any commercial information
4. The quotations should be in the currency of the country of origin as well as Indian Rupees wherever possible and should be valid for at least three months.
5. Please attach all the technical literature and a list of similar installations done in India.
6. Standard warranty details (minimum 3 years) should be provided.
7. Payment should be through irrevocable letter of credit.
8. If the quote is being submitted by the representative of the Principals/manufacturer themselves, a valid Agency ship/Dealership Certificate authorizing the agent to quote to IIT Delhi on behalf of the Principals should be enclosed.
9. Quotation must indicate a delivery schedule, which in no case should exceed 4 weeks from the date of placement of order.
10. Complete set of manuals for the operation of equipment should be given.
11. Clearly specify the installation requirements—such as space, power, frequency, environment (Temperature and humidity) etc.
12. The institute reserves the right to accept or reject any / all the quotations without assigning any reasons thereof.