

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
DEPARTMENT OF CHEMICAL ENGINEERING

Date: 30/08/2013

Tender for Autoclave

Enquiry No: CHE/SP-09/2013

Quotations are invited from interested parties for purchase of **Teflon Lined Autoclave System** as per the following specifications.

Specifications

1. **Size-** Teflon lined stainless steel (SS-316) autoclave with 100ml net filling capacity with minimum steerable volume of 25ml and all wetted parts of SS 316 with Teflon coating
2. **Stirrer:** Teflon coated 4 bladed turbine stirrers having speed starting from 100 RPM and maximum up to 2000 RPM with digital RPM indication
3. **Design Pressure-** Maximum 200 bar with digital pressure indicator, pressure safety valve and pressure regulator
4. **Maximum working temperature-** 180 °C for Teflon lined autoclave with electrical heating
5. **Control panel** – The autoclave control panel should be micro processor based programmable P.I.D., temperature controller with high temperature alarm system with motor speed controller mounted on it

Please provide technical and financial bids in separate sealed envelopes.

In the document for technical bid, mention in tabular form the compliance to each of the above specifications. In addition, also provide:

- (i) Authorization Certificate, if any from the principal manufacturer
- (ii) Technical specifications in detail
- (iii) Warranty period: Minimum one year after Installation
- (iv) List of clients and testimonials of services rendered. Those with a better record of after-sales services may be given preference.

Note: Payment terms will be as per IIT Kanpur rules. Validity of the quote should be for a minimum of 60 days.

Please send technical specifications and the financial bids in separate sealed envelopes to the undersigned clearly mentioning the following information by September 10, 2013

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