

January 4, 2013

NIO for Bead Beating homogenizer with cooling

Sealed quotations are invited for supply of a Bead Beating homogenizer with cooling in the Department of Biochemical Engineering and Biotechnology. The essential technical specifications for the homogenizer with cooling are given below.

Essential Specifications:

	<u>Bead Beating homogenizer with cooling</u>
Details	Bead beating Homogenizer for lysis, grinding and homogenization of a wide variety of samples including soil, by varying the bead type and speed with option of cooling.
Time	Range 1-60 sec, programmable with 0.5 m/s increments
Speed	4.0-6.0 m/s programmable with 0.5 m/s increment
Motion	Oscillating motion
Acceleration	< 2 seconds to maximum speed
Deceleration	< 2 seconds to stop
Noise level	< 70 db
Adapters / capacity	Interchangeable adapters for capacity of 2 ml (minimum 24 tubes simultaneously), 15 ml, 50 ml
Operating range (environmental temperature)	4 – 40 °C
Safety feature	Automatic stop on lid opening; emergency stop button; sealing of sample handling compartment, Easy to sanitize surfaces.
Certification	CE
Control	Controls should be Microcontroller control panel with LCD screen
Weight	< 20 kg
Power requirements	110V AC / 60Hz or 220 V AC / 50 Hz, 500 W
Warranty	Three Year Warranty

General instructions:

1. Letter from the manufacturer specifically to quote for this tender is to be attached for authenticity of dealership / agency and the dealer should be authorized service provider.
2. Vendor should get a fresh certificate directly from their product principal's clearly mentioning about warranty for three years of the equipment to be delivered from the date of installation.
3. The lowest quotation, however, does not depend upon the warranty period.

4. Validity of the quotation should be at least three months. Vendors will do the installation and demonstration of the equipment at IIT Delhi premises without additional charges.
5. Taxes, terms and conditions should be clearly mentioned.
6. In the case the items are proprietary products of the company, a proprietary item certificate stating the same may be provided.
7. Specifications form should be similar to the given specifications sheet.
8. A compliance statement for required specifications should be attached.
9. Payment terms and conditions should be clearly mentioned. No advance payment is encouraged by IIT Delhi.
10. Firm **MUST** provide a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature with clear reference of page number, paragraph or lines. This statement must be signed, with the company seal, by the tendered for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification of the tender. The quotation should be complete in all respects (as per IIT-Delhi rules).

The Institute/ purchase committee has the right to accept or reject any bid or all quotations without assigning any reason whatsoever.

Sealed quotations in separate envelopes of Technical and Commercial bids kept in one sealed outer envelope (super-scribed “Quotation for Bead Beating homogenizer with cooling”) should be addressed to **Dr. Shilpi Sharma, Department of Biochemical Engineering and Biotechnology, IIT-Delhi, Hauz Khas, New Delhi 110016** and should reach the **Department of Biochemical Engineering and Biotechnology, IIT-Delhi by 1200 hrs on January 23, 2013.**

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