

Department of Biochemistry
University of Delhi South Campus
Benito Juarez Road, New Delhi 110021

Quotation Invitation Letter

Date: 27-02-2019

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PURCHASE OF NUTATING MIXER

Quotations are invited through e-procurement for the following equipment to be uploaded latest by **13th March, 2019**

Name of the equipment: Nutating mixer

Quantity :One

Specifications and Technical Details:

- The system should be a three dimensional shaker typically used for maintaining the uniform suspension of samples/solutions in centrifuge tubes/eppendorfs without foaming of protein samples.
- The system should be ideal for uniform mixing of experimental samples in micro -centrifuge tubes.
- The system should achieve its 3-dimensional mixing by combining the rotating motion of an orbital shaker with the rocking motion of a platform rocker. Must have 3-dimensional gyratory motion.
- The body of the nutator should be made of high quality material like injection molded FRABS plastic.
- The holding platform should be constructed of powder coated aluminum topped with a rubber TPE mat.
- The system should be compatible for use at temperature range from 4°C to 65 °C (upto 85% relative humidity, non condensing), in an incubator or cold room.
- The system should be capable of holding tubes placed directly on to the dimpled mat. The dimple pattern should be configured to allow eppendorfs and centrifuge tubes to be securely placed on the mat without additional strapping in most cases.

- The system should have option of tubes to be stacked, holes in the corners of the platform edges are required for the purpose of stacking.
- The system should have technique to select the quietest direction of rotation.
- The system should have possibility so that rotational direction can be reversed by holding the unit's base and very briefly touching the rotating platform on the bottom at one corner
- Mixing speed: The system should have upto 20 rpm speed
- Platform Tilt angle: The system should have 20 degrees fixed tilt angle
- The system should have platform dimensions of : 20-24cm x 15-17cm
- The system should have mixer dimensions of wxhxd: 20-24cm x 14-15cm x 15-17cm
- The mixer weight should not be more than 1 kg
- The system should have platform load capacity of at least 0.8kg
- The platform capacity without stacking should be at least 60 x 1.5ml micro centrifuge tubes; 30 x pediatric blood tubes (3ml); 17 x 15ml centrifuge tubes; 21 x standard blood tubes (7ml); 9 x 50ml centrifuge tubes
- Electrical requirements should be: 230V, 50 /60Hz, 0.015 amps.
- The system should have two years standard warranty.
- The system should be CE Certified and IP protection class according to DIN EN 60529: IP 54

Eligibility Criteria

- Bidder should be Manufacturer/ Authorized Partner/ Reseller of the manufacturer and a Letter of Authorization from manufacturer for the same and specific to the tender should also be enclosed.
- The Bidder shall provide the Registration number of the firm along with the LST/ CST/ WCT No. and the PAN Number issued by the concerned authorities.
- Separate technical and price bid should be uploaded.
- Technical Bid must contain a Technical Compliance sheet. Technical compliance sheet must have the page number of a published catalogue/ technical specifications/accessory information/manufacture website as proof for compliance with each technical point. Relevant copies of published catalogue/ technical specifications/accessory information/manufacture website that have been listed as proof should be attached.
- The bidder must not be blacklisted by Delhi University. A Certificate or undertaking to this effect must be submitted.

Instructions to Suppliers:

Two types of quotations are to be submitted in e-procurement site: **Technical and Financial.**

Technical Quotations should contain all details of technical specifications of the equipment including manufacture and model details along with commercial terms and conditions, warranty and delivery schedule. The quote should be valid for a minimum of 60 days from the due date.

Pictures of the equipment must be included with similar specifications as above with logo or name of the company on them. Authorization certificates from the Principal manufacturer, if any, must be provided. Proprietary certificate for any proprietary or patented item must be provided. Unique features maybe highlighted along with their applications and advantages over other available accessories. A user list of atleast 5 (five) users of the equipment quoted (who have installed and used them successfully for years) with complete addresses / e-mail IDs / phone nos should also be appended.


Financial Quotations should contain price of the equipment, accessories, discount if any, packaging and forwarding charges, Air Freight and insurance charges, custom duty and clearance as well as transportation charges to the site of delivery/installation. The price quoted should be F.O.R. destination in INR (UDSC).CDEC will be provided, if needed.

Payment will be made against successful delivery and after confirmation that the item is intact and functional.

The supplier should provide quotation or tender through e-procurement site.

No Commitment to Accept Lowest or Any Tender

- Demonstration of the item or its use will be required, if needed
- Institute reserves the right to order equipment/accessories with better quality and suitability over lower price and to accept or reject any or all quotations without assigning reasons thereof.
- University of Delhi shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers. University of Delhi will not be obliged to meet and have discussions with any vendor, and or to listen to any representations.


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