



**Environmental Geochemistry Laboratory**  
**Department of Civil Engineering**  
**Indian Institute of Technology Kanpur**

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Inquiry no.: IITK/CE/AS/05-2015/03  
Closing date and time: **15.06.2015 at 5 pm**

Date: 29.05.2015

**Sub: Call for quotation for supply and installation of an orbital shaker**

Sealed quotations (**Technical and Financial bids separately**) are invited from authorized suppliers for items and their specifications given below before 5 pm of --.06.2015.

The quotation for supply and installation of **Orbital Shaker** should be sent in two parts in sealed envelopes, clearly marked as "**Technical Bid**" and "**Financial Bid**". The Technical Bid should contain detailed technical specifications of the product being offered and **should not mention any prices**. The Financial Bid should include the detailed price quotation clearly, including the cost of the equipment, taxes, service charges, shipping and handling charges, if any. Financial bids will be opened only when Technical Bids are found acceptable. Our organization is an educational institute of repute and liable to get maximum education discount from manufacturer. Please specify it, separately.

S. No.	Product Name & Specifications	Quantity
1.	<p><b>Orbital Shaker</b></p> <p>The orbital shaker should be a microprocessor controlled, freely programmable and user friendly system with ease of operation and should have a facility for flexible clamping so that to facilitate mounting of different size wares onto the platform as per requirement.</p> <ul style="list-style-type: none"><li>• Speed range: 10 rpm or less – 300 rpm or more</li><li>• Timer: Programmable for range from 1 min or less to 99 hours or more with continuous mode</li><li>• Overall dimension (L x W x D): Min. 30 x 30 x 9 cm</li><li>• Orbit: 15 mm or more</li><li>• Permissible shake wt.: 10 kg or more (preference for higher shake wt.)</li><li>• Motor type: Brushless DC motor.</li><li>• Speed accuracy: <math>\pm 1\%</math> of set speed above 100 rpm / <math>\pm 1</math>rpm of set speed below 100 rpm or better accuracy</li><li>• Interface: RS-232 interface to enable data logging and unit control</li><li>• Should detect unbalanced conditions and automatically reduce rpm to a safe speed.</li><li>• Audible and visual signals for overload</li><li>• Should have alarm, speed ramping, and spill resistant design.</li></ul>	1



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	<ul style="list-style-type: none"><li>• Operating condition: 5 – 50 °C or higher range, up to 80 % relative humidity</li><li>• <b>Platform size: Minimum 35x 35 cm</b></li><li>• Power supply: 230V / 50 Hz</li><li>• Platform should be provided with <b>non-skid rubber surface</b> so that sample plastic bottles could be oriented horizontally on the shaker and tied to the platform.</li><li>• Flexible clamping for customizing the mounting of wares as per user need.</li></ul>	
2.	<b>Non-skid rubber mat as accessory</b>	1

**Terms and Conditions:**

- The vendor should supply list of installation (minimum 5, in last two year) in India of the same model quoted against this enquiry preferably at IITK.
- Manufacturer should have appropriate certification.
- If the Financial Bid is included in the Technical Bid, then the quotation will be rejected.
- **Quotation should have minimum validity of 60 days from the date of opening.**
- Delivery period should be within 60 days from the receipt of the purchase order. Shorter delivery time may be given preference.
- Taxes, packaging, forwarding freight charges, if any should be mentioned.
- Quotation should carry proprietary certificates and authorization letters/certificates.
- Prices should include installation and training of the equipment.
- Provide contact number/address for complaint, else quotes may be rejected.
- **The warranty period should be 5 years on parts and labour from the date of installation.** Also, quote must include prices for AMC from the manufacturer.
- The firms may also quote for optional accessories which will extend the capability or ease of use of the equipment.
- All quotations should be in the currency of the country of origin of the instrument and CIF, Delhi (if imported), and also converted to ₹.
- The Institute is exempted from excise duty and pays a nominal customs duty of ~5% under Govt. of India notifications 10/97 and 51196, respectively. Custom Duty exemption certificate under notification 51196 and road permit will be provided if applicable.
- Normal payment terms for the Institute will be applicable (90% on delivery of the items and the remaining 10% after satisfactory installation/ inspection).



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- The Institute reserves the right for accepting and rejecting any quotations without assigning any reason thereof. **Also, the Institute reserves the right to reject or accept all or any of the offers made above.**

Thanking you,

Sincerely,

Dr. Abhas Singh

Assistant Professor, FB-306, Department of Civil Engineering,  
I.I.T. Kanpur, Kanpur- 208016, Uttar Pradesh, India.