



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

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Inquiry no.: IITK/CE/AS/05-2015/02  
Closing date and time: **15.06.2015 at 5 pm**

Date: 29.05.2015

**Sub: Call for quotation for supply and installation of a benchtop non-refrigerated centrifuge**

Sealed quotations (**Technical and Financial bids separately**) are invited from authorized suppliers for items and their specifications given below before **5 pm of 15.06.2015**.

The quotation for supply and installation of **benchtop non-refrigerated centrifuge** 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>Benchtop non-refrigerated centrifuge</b></p> <p>The centrifuge should be a microprocessor controlled, freely programmable and user friendly system with ease of operation and should have a facility for a <u>large variety of interchangeable rotors and accessories</u>, with total sample handling capacity as low as 1.5 ml and up to 500 ml, with flexibility in analysis of individual sample volumes from 1.5 mL, 15 mL, 50 mL, 100 mL up to 250 mL.</p> <ul style="list-style-type: none"><li>• Maximum total sample handling capacity: At least 500 mL</li><li>• Maximum rotational speed of centrifuge: 14000 rpm or more</li><li>• Maximum RCF: at least 20000 g or more</li><li>• Power supply: 230V/50 Hz</li><li>• Maximum power consumption: 1 KW</li><li>• Noise level: &lt; 70 dB</li><li>• Drainage inside the rotor chamber</li><li>• There should be diagnostic message with alarm for rotor imbalance and other programming/operational errors.</li><li>• Storage memory should be at least 35 routine programs.</li><li>• It should have LCD display for operational conditions.</li><li>• Timer: 1 min or less to 11 hrs. 59 min or continuous mode</li></ul>	1



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2.	<b>Compatible fixed angle/swing bucket rotors</b> for analysis of samples from 1.5 mL to 250 mL volume (preference for swing bucket but not exclusive) <ul style="list-style-type: none"><li>• Rotor capacity: Minimum of 24 x 1.5 mL, 6 x 15 mL, 4 x 50 mL, 2 x 250 mL tubes</li><li>• Rotor maximum rpm: at least 5000 rpm</li><li>• Rotor maximum rcf: at least 3000 g</li></ul>	1
3.	<b>Adapters compatible with these rotors</b> to enable analysis of samples from 1.5 mL to 250 mL volume with standard centrifuge tubes and bottles	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 3 years 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 on FOB basis and CIF, Delhi (if imported) separately, 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 51/96 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.