



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

---

Inquiry no.: IITK/CE/AS/01-2016/02  
Closing date and time: 01.02.2016 at 3 pm

Date: 21.01.2016

**Sub: Call for quotation for supply and installation of an Anaerobic Chamber and its Accessories**

Sealed quotations (**Technical and Financial bids separately**) are invited from **authorized** suppliers along with the Manufacturer and Authorization Certificates **before 3 pm of 01.02.2016** for the specifications below.

The quotation for supply and installation of an **Anaerobic Chamber** 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. Clearly highlight the technical parameters of your product when answering to the bid requirements. A mere copy-paste of the technical parameters specified in the quotations or vague responses will be rejected.

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 educational discount from manufacturer. **Please specify any discounts separately.**

S. No.	Product Name & Specifications	Quantity
1.	<p><b>Anaerobic Chamber</b></p> <p>The chamber should be an energy efficient and user friendly system with ease of operation and should be able to handle routine environmental samples from diverse matrices including samples of corrosive nature.</p> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"><li>• Flexible Chamber Material made of <b>Vinyl</b>. Chamber will be mounted on a table of 800 mm (W) x 2100 mm (L) and 890 mm (H). The tabletop is made of granite and can take minimum 250 kg of weight. <b>If different sizes are available, quote separately for each.</b></li><li>• Internal working dimensions (L * H * W in mm): ~1500 * ~900 * ~800</li><li>• Vacuum Airlock: Automatic; Programmable interchange sequence; with a digital display panel</li><li>• Performance: Oxygen 0-5 ppm, using a palladium catalyst and hydrogen gas mix of 5%.</li><li>• Moisture control using a suitable dessicant that can be regenerated.</li><li>• Vacuum pump with at least 4 ft. (183 cm) tubing</li></ul>	1



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

	<ul style="list-style-type: none"> <li>• Catalyst Fan Box; <b>Quote separately for heated and unheated versions</b></li> <li>• Work Pad, 220V operations.</li> <li>• Shelves: 16" (406 mm) adjustable height, 3 no.</li> <li>• Feedthrough ports for electrical single phase 220V 16A, at least three no.</li> <li>• Feedthroughs: Blanked, for introducing gas purge lines in future</li> <li>• Glove rings (2 in no.): for single person working.</li> <li>• Gloves: Butyl-ambidextrous, 0.6 mm thick, size 8.5, length 750 mm, 2 (+2 spare, total 4 gloves); <b>quote separately for a pair of gloves</b></li> <li>• Shutter size: large enough to move pH meters and common labware through</li> <li>• Specify leak rate in mbar L s<sup>-1</sup></li> </ul>	
2.	<b>Dehumidifier Large capacity, Automatic</b>	1
3.	<b>Vacuum Airlock</b> <ul style="list-style-type: none"> <li>• Material: Stainless steel; 304L preferred</li> <li>• Dimension: large enough to move pH meters and common labware through</li> <li>• External door: Lifting mechanism-easy opening manually</li> <li>• Internal door: Lifting mechanism (vertically) - Easy opening manually</li> <li>• Vacuum control: Vacuum gauge -1/+1.5 bar with analog display</li> <li>• Tightness: Specify leak rate in mbar L s<sup>-1</sup></li> </ul>	1
4.	<b>Monitors</b> <ul style="list-style-type: none"> <li>• For Oxygen, Pressure and Moisture Levels in the Chamber. Quote separately if each parameter monitored independently</li> </ul>	
5.	<b>Filtration</b> <ul style="list-style-type: none"> <li>• Dust filter (0.3 micron): Class H13 HEPA or better</li> </ul>	1
6.	<b>Compatible vacuum pump</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 ISO certification and a copy of same should be furnished.
- 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.



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

---

- 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 at least 1 year from the date of installation. A higher warranty may be given preference. **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 and CIF, Delhi (if imported), and also converted to ₹.**
- The Institute is exempted from excise duty and pays a nominal customs duty of 5.15% under Govt. of India notifications 10/97 and 51/96, 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).
- 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.