

**Indian Institute of Technology Delhi  
Environmental Engineering Laboratory  
Department of Civil Engineering**

Date: 15-05-2012

**Notice Inviting Quotation**

Quotations are invited for the purchase of “**Portable CO<sub>2</sub> Analyzer with multifunction**” for the Department of Civil Engineering. Interested suppliers are required to submit their quotations as per the specifications given below. The sealed Quotations are to be submitted in two Separate envelopes:

- A - Technical Quote (Specifications)**
- B - Financial Quote (Term and Condition)**

**Envelope A: Technical Quote:**

*(Mention clearly on the envelope – **Technical Quote**)*

Technical Specification for **Portable Ambient CO<sub>2</sub> Analyzer with multifunction parameter**: The following details are to be enclosed.

**Essential Requirement:**

- Battery operated portable multifunctional instrument measurements of 3 parameters at a time with different probes and sensor
- **Probes/Sensor:** CO<sub>2</sub>, Relative humidity and Temperature
- **Data logger:** Light weight, LCD display with onsite print, 9V Battery type, PC RS232 interface, internal memory with at least 3000 data points and Material/Housing ABS.

**Measuring parameters specifications**

| Instrument                    | Specification            |                                       | Remarks   |
|-------------------------------|--------------------------|---------------------------------------|---|
|                               | Measuring range          | Accuracy                              |   |
| Ambient CO <sub>2</sub> Probe | 0 -10000 ppm (upto 70°C) | ±(50 ppm CO <sub>2</sub> ±2% of mv)   | Cable at least 1.5 m long requires which connects probe plug-in head to measurement instrument, PUR coating material. |
| Temperature probe             | At least upto 70 °C      | ± (0.5 °C of mv) and 0.1°C resolution | Cable at least 1.5 m long requires  |
| Humidity Sensor               | 0 to +100 %RH            | ±2 %RH and 0.1% resolution            | high humidity range (long-term measurements)  |

**Note: Any optional accessories and professional software advised to be included separately**

- Installation/Calibration requirements
- List and addresses of organizations where the equipment has been supplied in last 5 years in India.
- Details of other equipment supplied to IIT Delhi specifying the Department/ centre / lab to which the equipment was supplied. Also mention if the equipment is being maintained by your organization.
- Address of the technical office, in India, with telephone and FAX numbers. Kindly clarify the type of

support available in India.

- If quote is for imported equipment, Sole Agency-ship certificate on the letterhead of the principal company, if quotation is from an Indian Agent.

**Envelope B: Financial Quote:**

(Mention clearly on this envelope – **Financial Quote**)

**The following details are to be enclosed/ ensured.**

- The quotation must have validity of at least three months.
- The delivery period to be clearly specified.
- The quotations for the equipment in foreign exchange, if it is to be imported. The cost of spares and optional equipment to be quoted separately. The cost should be based on CIF, New Delhi. If equipment is indigenous, the quote should be in INR and all taxes applicable should be mentioned clearly.
- Institute makes payment after delivery and successful installation. If equipment is to be imported, the address of the company in whose name the LC is to be opened should be stated.
- The product will be used for educational purposes. Any applicable academic institution discounts should be offered and stated. Detailed brochures should accompany the offer.
- Proprietary Item Certificate from the principals, if applicable.
- If the bidder is an authorized dealer, then the authorized Indian dealership certificate from the principles should be enclosed.
- **Comprehensive on-site warranty for <sup>two</sup> ~~three~~ years is required.** *Gazala Habib*

**Important Notice:**

**Institute reserves the right to accept or reject any or all of the quotations without assigning any reasons thereof.**

Both these envelopes should be enclosed in an outer envelope, which should also be sealed and addressed to, clearly mentioning on top right corner of the envelope quotations for "**Portable CO<sub>2</sub> Analyzer with multifunction parameter**". The quotations should be submitted by **30/05/2012** at address given below:

*Gazala Habib*

**Dr. Gazala Habib**

**Block-IV**

**Room NO. 303**

**Civil Engineering**

**IIT Delhi**

**Hauz Khas, New Delhi – 110016 (India)**