

## Environmental Engineering Laboratory

### Department of Civil Engineering

#### Notice Inviting Quotations for "Indoor Air Quality Monitor"

Sealed quotations are invited in two bids (separate quotations for technical and financial bid in separate sealed covers and put together in a common outer envelope subscribing NIQ for **Indoor Air Quality Monitor**) for the requirement of **Indoor Air Quality Monitor** as per the specifications described below on or before 05/10/2012, 17:00 hrs. Quotations should be addressed and submitted to

**Prof. Mukesh Khare,**

Department of Civil Engineering,  
Indian Institute of Technology Delhi,  
Hauz khas, New Delhi -110016.

#### Technical Specifications for Indoor Air Quality Monitor

##### 1. Carbon Dioxide Sensor

Working principle	NDIR technology
Measuring range	0 to 5000 ppm preferably
Resolution	1 ppm or better

##### 2. Carbon Monoxide Sensor

Working principle	Electrochemical oxidation devices or any other
Measuring range	0 to 50 ppm or better
Resolution	1 ppm or better

##### 3. Temperature Sensor

Working principle	Termistor or any other better technology
Measuring range	0 to 40°C or better
Resolution	1°C or better

##### 4. Humidity Sensor

Working principle	Polymer capacitor technology or any other
Measuring range	0 to 95% RH, non-condensing preferably
Resolution	0.1% RH

##### 5. Power Supply

Can run with power and battery both. The battery should be NiMH or any better one which should be sufficient for at least continuous 24 h monitoring.

##### 6. Data Logger

Should be sufficient to store more at least 25000 data point with USB connector to transfer the data from instrument to PC.

##### 7. Warranty

**Minimum three years onsite comprehensive warranty is must without which the quotation will not be considered.**

**IMPORTANT NOTE:** It should be mandatory that the above mentioned sensors (1- 4) should run simultaneously and continuously logging the data during the monitoring, without this arrangements your quotation will not be considered further.

### **Terms and Conditions**

1. Validity of the quotation should be for minimum three months.
2. Payment mode should be clearly mentioned. Preferred payment mode is within 30 days of successful installation.
3. All bank charges outside India shall be on Beneficiary's account and within India shall be on opener's account, in case of imported items.
4. Proprietary certificate may be enclosed in case of proprietary item.
5. In case of imported items, **Agency Certificate** from the Principals/manufacturer should be enclosed.
6. Educational Institution discount should be given.
7. The Institute reserves the right to accept or reject any/all of the quotations without assigning any reasons thereof.
8. Delivery period not more than 30 days.

**Prof. Mukesh Khare**