

## **Request for Quotations**

Quotations are invited for following three equipment/systems. The quotations in sealed envelope should reach IIT Kanpur by May 11, 2015 at the following address:

Dr. Mukesh Sharma  
Department of Civil Engineering  
Indian Institute of Technology Kanpur  
Kanpur 208016, UP

### **1. Multi-gas calibrator for ambient air gas analyzer calibration**

- Flow accuracy:  $\pm 1\%$  of set point
- Flow repeatability:  $\pm 0.05\%$  of full scale
- Ozone production: 0.02 ppb to 0.5 ppm
- Response time: accuracy of 1%
- Zero air inlet: 1 external
- Gas inlet: 4 external
- Gas outlet: 1 external
- Power supply: 230 V, 50 Hz
- Operating temperature: 0 to + 50°C
- LCD Screen
- Simultaneous connection from 1 to 4 gas cylinders
- Compatible Software

### **2. Continuous, Automatic Particulate Monitor (PM<sub>10</sub> and PM<sub>2.5</sub>) in ambient air**

- Compliant with the European or USEPA Standards US EPA and EU-CEN compliant sampling inlets for PM<sub>10</sub> and PM<sub>2.5</sub>
- Temporal resolution: 1 second
- Lower detectable limit: 0.5  $\mu\text{g}/\text{m}^3$  (24h average)
- Measurement ranges: user-programmable, up to 10 000  $\mu\text{g}/\text{m}^3$
- Power supply: 230V/50Hz
- LCD Screen

### **3. PC based Data Acquisition System**

- Data Logger with license software suitable for Storing, Logging, Reporting, Printing data from Continuous air monitoring Analyzers (at least upto 10)
- Compatible with other companies analyzers.
- Do not include PC

Specify the guarantee and warranty period for all equipment.