INDIAN INSTITUTE OF TECHNOLOGY
Centre for Environmental Science and Engineering

Enquiry letter for purchase of 4-channel speciation sampler for ambient air quality monitoring

Subject: Quotation for supply of 4-channel speciation sampler (3 Nos.) Extended Date for submission **24.04.2018 before 3:30 PM**

Reference: CESE/IITK/MS/2017-18/02 Dated: April 17, 2018

Sir / Madam,

With reference to the subject mentioned above, you are invited to submit the sealed quotation for 4-Channel Speciation Sampler, broad specifications are enclosed (Technical specifications). Total required quantity is 3 numbers. Do not send the quotation through email.

Make sure that the quotation is valid up to 90 days, sealed and duly signed and it must reach Dr. Mukesh Sharma, Professor, Department of Civil Engineering, IIT Kanpur by extended date of **24.04.2018 before 3:30 PM.**

The quotation should have the following details:

1. Rebate/discount for educational and research institute must be shown clearly
2. Delivery Period (maximum two months)
3. Rates quoted must be for CESE IIT Kanpur including packing forwarding and freight
4. Quote both FOB and CIF rates
5. Indian bidder must be GST registered.
6. Include separate quotation for recommended spares
7. Indian agent should submit authorization letter from the principal supplier

Terms and condition:

1. Payment through letter of credit
2. Our Institute is partially exempted from custom duty.
3. Payable GST @ 5% DSIR certificate shall be issued

.

Dr. Mukesh Sharma
Professor
Department of Civil Engineering
Indian Institute of Technology
Kanpur – 208016, India
mukesh@iitk.ac.in

INDIAN INSTITUTE OF TECHNOLOGY
Centre for Environmental Science and Engineering

Technical Specifications Sheet for 4-channel speciation sampler

The **minimum specifications** given below.

- 4 channel Speciation Sampler. The hardware components are housed in a sealable module
- Insulation with fan and heater for temperature control
- 4 sampling lines with PM10 (2 lines) and or PM2.5 (2 lines) sampling heads according to USEPA or EN 12341
- Flow rate of 16.7 lpm
- Internal control panel PC with touchscreen
- MFC up to 16.7 l/min flow. Active volumetric flow control and constant volumetric flow rate specified by the user with ambient temperature and pressure sensors.
- Built-in sensors for ambient temperature, pressure and RH.
- Remote operation through analog input or two-way RS232 serial link
- Facility for retrieval of stored data
- 4 pcs. filter cartridge (two each for PM10 and PM2.5)
- 4 pcs. filter holder
- Control software with flexible sampling programs
- 2 pcs. high-efficiency glass denuders
- Outside temperature sensor
- Compatible flow calibrator
- Power Supply 230V AC, 50 Hz 1-phase.

.

Dr. Mukesh Sharma
Professor
Department of Civil Engineering
Indian Institute of Technology
Kanpur – 208016
mukesh@iitk.ac.in