Notice Inviting Quotations for "SO₂ & NO₂ Analyzer (Electrochemical sensor based)"

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 SO₂ & NO₂ Analyzer (Electrochemical sensor based)] for the requirement of SO₂ & NO₂ Analyzer (Electrochemical sensor based) as per the specifications described below on or before 05/06/2013, 17:00 hrs. Quotations should be addressed and submitted to

Prof. Mukesh Khare,
Block IV, Room No: 220, Department of Civil Engineering,
Indian Institute of Technology Delhi,
Hauzkhas, New Delhi -110016.

Technical Specifications for SO₂ & NO₂ Analyzer (Electrochemical sensor based)

1. Sulphur Dioxide (SO₂) Sensor
   Working principle Electrochemically based devices
   Measuring range 0 to 20 ppm or better
   Resolution 0.1 ppm or better

2. Nitrogen Dioxide (NO₂) Sensor
   Working principle Electrochemically based devices
   Measuring range 0 to 10 ppm or better
   Resolution 0.1 ppm or better

3. Suction flow rate upto 4.0 lpm

4. 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 hrs. monitoring.

5. Data Logger Should be sufficient to store minimum 1,00,000 (1 lakh) or even more data point with USB connector to transfer the data from instrument to PC.

6. Warranty Minimum one year onsite comprehensive warranty from date of installation is must without which the quotation will not be considered.

- The Analyzer should be Light weight, contoured and comfortable to hold, Flame rated ABS/Poly carbonate enclosure, Displays all installed sensors simultaneously on backlit LCD display, Multi-function, easy to use menu
- Samples air with internal sample draw pump
- Logs information and events to flash card (2 GB or more)
• A protection device in the circuit to provide safety protection if the batteries are accidently inserted with reversed polarity.
• Selectable time, date and Sampling rate 10-secs, 30-secs, 1-min, 2-min, 5-min, 15-min, 30-min etc.
• Selection of no of samples to be taken before logging is stopped
• Alarm set points to activate audible alarm

IMPORTANT NOTE: It should be mandatory that the above mentioned sensors (1-2) 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 supply of the said equipment & 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. No packing/forwarding charges will be available.
7. Educational Institution discount should be given.
8. The Institute reserves the right to accept or reject any/all of the quotations without assigning any reasons thereof.

Prof. Mukesh Khare