

Environmental Engineering Laboratory

Department of Civil Engineering

Notice Inviting Quotations for "PM_{2.5} sampler"

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 **PM_{2.5} Sampler**) for the requirement of **PM_{2.5} Sampler** as per the specifications described below on or before 16/09/2013, 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,
Hauz Khas, New Delhi -110016.

Technical Specifications for PM 2.5 Sampler

- | | |
|--|--|
| 1. PM₁₀ Impactor | |
| Working principle | Impaction |
| Flow rate | 1m ³ /hr (16.7 LPM) maintained by microprocessor based electronic controller |
| 2. PM_{2.5} Impactor | |
| Working principle | WINS Impaction |
| Flow rate | 1m ³ /hr (16.7 LPM) maintained by microprocessor based electronic controller |
| 3. Elapsed time indicator | Real Time clock based
records the operating time in hours and minutes per sample |
| 4. Volumetric Flow rate | Automatic compensation of flow rate using sensors |
| 5. Vacuum Pump | Oil Free, driven by induction motor |
| 6. Power Supply | 220 V, Single Phase, 50Hz AC mains supply |
| 7. Display Screen | LCD display of system parameters |
| 8. Flow Recorder | Should record flow rate, volume of air sampled, air temperature, filter temperature, filter pressure and barometric pressure |
| 9. Auto-shut off of the sampler | When flow rate drops by more than 10% |
| 10. Warranty | Minimum <u>one year</u> onsite comprehensive warranty is must without which the quotation will not be considered. |

IMPORTANT NOTE: Continuously logging of the data during the monitoring is mandatory, 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.



Prof. Mukesh Khare