

**Department of Physics**  
**Punjabi University, Patiala**

(Established Under Punjab Act No. 35 of 1961)

No. *IGBP/767/Physics*

Date: *22/12/2025*

**Subject: Quotations for purchase of Aerosol Fine Particulate Matter Sampler (PM<sub>2.5</sub>) with NO<sub>x</sub> and SO<sub>x</sub> Analyser**


Quotations are invited for the purchase of an **Aerosol Fine Particulate Matter Sampler (PM<sub>2.5</sub>) with NO<sub>x</sub> and SO<sub>x</sub> Analyser** with the following technical specifications:

- **Design:** Manual instrument for sampling of fine particles (PM<sub>2.5</sub> fraction) in the ambient air, based on impactor designs standardized by USEPA.
- **Filter Compatibility:** Sampler should be compatible for 47mm diameter Teflon/Quartz filter membranes for PM<sub>2.5</sub> retention.
- **Versatility:** The system should allow for removal of the PM<sub>2.5</sub> impactor from the sample stream so that the same system can optionally be used as a PM<sub>10</sub> Sampler.
- **Gaseous Monitoring:** The system must be capable of simultaneous monitoring of gaseous pollutants like SO<sub>x</sub>, NO<sub>x</sub> and other inorganic water-soluble gases present in the ambient air.
- **Cooling Attachment:** The system should have facility to keep ice around impingers to keep them cool for better absorption. This attachment should be easily attachable to the dust sampler.

Distributors/suppliers/manufactures of the above-mentioned instrument are requested to submit their quotations in the sealed envelope at the following address:

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**Deadline for Submission: January 2, 2025 (Before 5pm)**

  
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