



Request for Quotation

Tender No.: IITK/CESE/TG/2014-15/01

Date: 02 – 12 – 2014

Sealed quotations are invited and should reach the undersigned latest by the 23rd Dec, 2014 (Tue), for an OPTICAL PARTICLE SPECTROMETER (**light scattering based particle size and number counting device**) for measurement of polydisperse particles in different environments and at source. It should adhere to the following minimum specifications:

Measurement Range: 500 nm to 40 μm (preferably exceeding this range with good accuracy).

Concentration Range: up to 1,00,000 $\#/\text{cm}^3$ with excellent accuracy (preferably up to 5,00,000 $\#/\text{cm}^3$).

Temperature Range: 0-50°C. Options for additional higher temperature resistant sensors for flue gas and tailpipe emission measurements can be quoted as separate items (optional).

Relative humidity: Preferably 10-90%.

Operating Pressure: It is desired that the instrument is able to work properly even with varying pressure conditions (slight vacuum or positive pressure conditions as typically encountered with source sampling conditions).

Computer/laptop: There should be provision to hook up with an external computer/laptop. The cost of the PC (i3 core pentium, windows 8 professional +office or better) may be quoted as optional item.

Software: Must be user friendly and easy to operate offering full control over the different instrument operations, ease of data acquisition and embedded instruction manual

Accessories: Any additional accessories required for installation and/or smooth functioning of the instrument should be mentioned separately.

Warranty: Must be 2 years from the date of installation

Maximum educational discount should be applied – this equipment will be used for research and teaching of students. All quotations should be in the currency of the country of origin of the instrument and CIF, Delhi. Sealed quotations (**separate technical and financial bids**) should be sent to:

Dr. Tarun Gupta

Associate Professor,

Department of Civil Engineering,

IIT Kanpur, Kanpur, UP-208016