



Telephone :

EN

Department of Civil Engineering

Indian Institute of Technology, Madras

I.I.T.P.O., MADRAS - 600 036.

Ref. No.

CIE	SACI	2013	Aerocel	SPLx
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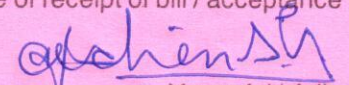
Date : 14.03.2014

Dear Sirs,

DUE DATE : 21.03.2014

1. Quotations are invited in duplicate for the various items shown below / overleaf / enclosed list.
- ✓ 2. The Quotations duly sealed and superscribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above.
3. The Quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.
4. If the item is under DGS & D Rate contract. Rate Contract Number and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the Rate contract price. If so, please send copy of the R.C. (Please note that we are not Direct Demanding Officers)
5. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable samples if called for, should be submitted free of charges, and collected back at the supplier's expenses.
6. Local Firms : Quotations should be for free delivery to this Institute. If Quotations are for Ex-Godown, delivery charges should be indicated separately.
7. Firms Outside Chennai : Quotations should be for F.O.R. Chennai. If F.O.R. consignor station, freight charges by passenger train / lorry transport must be indicated. If-Ex-Godown, packing, forwarding and freight charges must be indicated.
8. The rate of Sales / General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales / General Taxes will be admitted at any stage and on any ground whatsoever. The taxes leviable should take into consideration that we are entitled to have Concessional Sales Tax applicable to Non-Government Educational Institutions run with no profit motive for which a concession. Sales Tax Certificates will be issued at the time of final settlement of the bill.
9. Goods should be supplied carriage paid and insured.
10. Goods shall not be supplied without an official supply order.
11. Payment : Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later.

Details as per enclosed list. ✓


Yours faithfully

For HEAD OF THE DEPT.

*Strike out whichever is not applicable.

Ref: C1E/SAC1/2013/Aerosol/SPLX
Department of Civil Engineering, IIT Madras

Quotations are invited for

**Aerosol spectrometer with wide measurement range
as per following specifications**

Measurement size range: ~ 5 nm – 30 μ m

Number of channels: more than 25 in 250 nm – 32 μ m range and similar number in 5 nm - 250 nm

Measurement techniques: optical for 250 nm – 32 μ m and DMA number in 5 nm -- 250 nm

Sample air flow: around total flow of 1.2 lpm with 0.3 for SMPS+C and 3 lpm of sheath air flow

DMA with temperature and pressure measurements

A pre-impactor for desirable size selection

Maximum concentration: >1000000 particles/ccm

Response time: <5 seconds

Internal sample and sheath air pumps

Software for all operations, data recording, and instrument controls

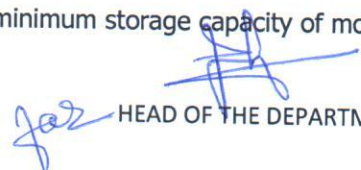
A 10" notebook for compactness and ease of operation

Movable with wheels and in shelter system, robustly integrated with following components

- Water tight weather housing for extreme conditions and weather operations
- In built air conditioning system with electrical connection for stand-alone operation
- A dedicated inlet system with moisture removing mechanism for high humidity operation
- A dedicated weather station on the housing to record meteorological parameters in high time resolution
- A GPS system for recording the co-ordinates
- Rack support for instrumental mounting

Aerosol neutralizer: Alpha source Americium 241 enclosed in proper housing

Easily refillable external butanol and condensation sink unit with minimum storage capacity of more than 200 ml for extended period of operation.


HEAD OF THE DEPARTMENT