



भारतीय उष्णदेशीय मौसम विज्ञान संस्थान
INDIAN INSTITUTE OF TROPICAL METEOROLOGY,
 (पृथ्वी विज्ञान मंत्रालय का स्वायत्त संस्थान, भारत सरकार के अधीन)
 (An Autonomous Institute of the Ministry of Earth Sciences, Govt. of India)

No. PS/125/68/2010

Date :

M/s.

Dear Sir,

We are interested in procurement of the following items. You are, therefore, requested kindly to submit your Quotation / Pro-forma Invoice in triplicate so as to reach this Institute on or before **31 August 2010**. The envelope should be super scribed "Enquiry Number PS/125/68/2010 due on **31 August 2010**".

Sr. No.	Description of Stores	Unit	Quantity
01	Supply & Installation of Aerosol Particle Sizer (SMPS & APS) Size Range (3 nm – 20 µm) (As per specifications enclosed)	Set	01

The proforma invoice shall indicate the following information and also accompany relevant technical literature.

1. FOB / FCA value including packing, forwarding and inland freight charges.
2. C&F / CIF Mumbai (INDIA) value by airfreight.
3. Please indicate the name & address of your Indian agent. Please also indicate the amount of agency commission payable to him in Indian currency after the receipt of the consignments in good condition at our Stores and in case of equipment after the satisfactory installation & commissioning. Indian Foreign Exchange & Regulations Act do not permit the inclusion of Indian agency commission, discount or like rebates allowed by foreign suppliers in FOB value, payable to their Indian agents. Such commission, discount etc., if any, must be indicated separately in your offer;
4. Indicate the names of the Indian reputed organizations where you have supplied the similar equipment and may attach the satisfactory performance report of the equipment from users;
5. If you have supplied identical or similar equipment to other Govt. Organization CSIR/Labs/Institute., the details of such supplies for the preceding three years should be given together with the prices eventually or finally paid;
6. Fax/e-mail tenders will not be considered

P.T.O.

तार : ट्रॉपमेट, पुणे Grams : TROPMET, PUNE

फैक्स : Fax : (020) 25893825 दूरभाष : Telephone : 25893600 / 25893675 - 81

डॉ. होमी भाभा मार्ग, पाषाण / Dr. Homi Bhabha Road, Pashan, पुणे / Pune - 411 008 (भारत / India)

7. Please indicate clearly all bank charges (inside & outside India) shall be borne by the supplier/ beneficiary.
8. Details of services to be rendered by you.
9. The offer may be kept valid for minimum period of 180 days.
10. Proprietary Certificate in Original / Copy of Patent Certificate.
11. Country of Origin.
12. Terms & Period of Warranty.

We prefer to release the payment on Bill basis (excluding Indian agency commission) after the receipt of consignment in good condition. Alternatively, depending upon the value and foreign exchange regulations the payment can also be considered through Sight Draft/Letter of Credit through the State Bank of India for the order value excluding the Indian agency commission.

The payment shall be made by way of Letter of Credit through the State Bank of India, Pune - 411 001 (INDIA) excluding the Indian Agency Commission which shall be paid directly to Indian Agents in Indian rupees after receipt of materials in sound condition. Insurance shall be arranged by us if the mode of dispatch is air-freight.

Thanking you,

Yours faithfully,

(S. R. NIRGUDE)
Senior Technical Officer-II
For Director

Indian Institute of Tropical Meteorology,
Dr. Homi Bhabha Road, Pashan, Pune – 411 008 (INDIA)

(Enclosure to Enquiry Letter No. PS/125/68/2010 dated 28.07.2010)

**Technical Specification of “Aerosol Particle Sizer with Calibration Units
(Monodisperse Aerosol Generator and Flow Meter) and Accessories” – Qty 01 Set**

Scanning Mobility Particle Sizer:

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|----|---------------------------|--|
| 1. | Particle size Range | Atmospheric aerosols of size range 3 to 1000nm. |
| 2. | Size resolution | Atleast 16 channels (size bins) per decade of particle size (logarithmic). |
| 3. | Measurements time | 30 to 300 sec. user selectable, programmable and repeatable |
| 4. | Operating Environment | Automatic pressure correction upto altitude of 2km, Temperature range upto ~40°C, humidity 10-99%RH. |
| 5. | Power | 100 to 240 VAC, 50-60 Hz, single phase or 24 VDC. |
| 6. | Data Logging | Via attached PC running Microsoft Windows, USB/RS 232 interface with software to acquire and analyze, process the data online (averaging, finding modal statistics, etc) |
| 7. | Accessories / consumables | For one year operation |

Aerosol Particle Sizer:

- | | | |
|----|---------------------------|---|
| 1. | Particle Size Range | Atmospheric aerosols of size range <0.5 to 20µm. |
| 2. | Size resolution | 32 channels (size bins) per decade of particle ize (logarithmic). |
| 3. | Measurement time | 1 minute or less (to scan all the bins of size range), programmable and repeatable |
| 4. | Operating Environment | Automatic pressure correction upto altitude of 2km, Temperature range upto ~40°C, humidity 10–99% RH |
| 5. | Power | 100 to 240 VAC, 50-60 Hz, single phase or 24 VDC. |
| 6. | Data Logging | Via attached PC running Microsoft Windows, USB / RS 232 interface with software to acquire and analyse , process the data online (averaging, finding modal statistics, etc) |
| 7. | Accessories / consumables | For one year operation |

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Calibration / Accuracy checking setup: (Aerosol Generator, Flow meter and other required accessories for this setup)

The SMPS and APS are to be calibrated at the user laboratory (IITM, Pune) from time to time. Hence all the necessary equipments / consumables required for the calibration of these instruments are to be quoted separately. The detailed calibration procedure, frequency of calibration needed are to stated clearly.

1. The necessary instruments / accessories / consumables and the cost of them for calibration / error correction are to be mentioned clearly.
2. Necessary Calibration and accuracy checking procedures / how frequently the instrument needs calibration / procedure for error correction etc. , for the quoted instrument are to be clearly mentioned in the quotation.
3. Training of personnel at the Suppliers lab.

(S. R. NIRGUDE)
Senior Technical Officer-II
For Director