



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/125/26/2009

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 **16 June 2009**. The envelope should be super scribed "Enquiry Number PS/125/26/2009 due on **16 June 2009**".

Sr. No.	Description of Stores	Unit	Quantity
01	Supply & Installation of "OC / EC – High Volume Sampler" (As per specifications enclosed)	Nos.	07

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.
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**

(Enclosure to Enquiry Letter No. PS/125/26/2009/ dated 06.05.2009)

Specifications for “High Volume Sampler for OC/EC” - Quantity 07 Numbers

A. OC/EC –Sampler for network stations

- i. High Volume Sampler for collecting aerosol particle size up to 2.5 μm for 6 stations network spread within 600 km Ariel distance from Pune (one unit will be on standby in case of failure).
- ii. **Flow Rate** : 1 m^3/hr controlled by mass flow controller
- iii. **Mass flow meter** for measuring mass flow rate
- iv. **Vacuum Pump**: Oil Free, driven by brushless induction motor
- v. **Elapsed time indicator**: Real Time clock records the operating time for each sample.
- vi. **Flow Recorder**: Digital Microcontroller based system records flow rate, volume of air sampled, air temperature and filter temperature in non-volatile flash memory.
- vii. **Mass Flow Measurement** : Requires no pressure and temperature compensation.
- viii. **Size selective inlets**: PM10 impactor and WINS impactor for PM2.5 conforms to US-EPA design.
- ix. **Calibration Unit**: Leak Check & Flow rate measurement adaptor

B. Comprehensive/Operational Maintenance Contract (CMC /OMC)

Please quote separately:

- (i) **CMC**: Comprehensive Maintenance Contract (CMC) for complete operation of sampler for 3 years including the free CMC under warranty period of first year. This includes all spare parts and on site regular maintenance at 6 stations network spread within 600 km Ariel distance from Pune (includes Pune also).
- (ii) **OMC**: Operational and maintenance contract (OMC) for 3 years of regular operation. It requires regular maintenance of the instrument, all spare parts and managing the collection of sample on Tissue Quartz Fiber Filters (provided by IITM) at 6 hourly basis and 6 days in a week in all 6 locations. Remember that for the first year (warranty period), the CMC will be free of cost and hence quote for OMC-CMC cost only. Instrument should remain operational at least 90% of the time in a year and should not remain non-functional continuously for more than 7 days otherwise the OMC will be extended proportionately. Transporting the sampled Tissue Quartz Fiber Filters (collected by high volume sampler) on temperature controlled container /packaging from the 5 external stations to IITM, Pune (spread within 600 km Ariel distance from Pune) through insured courier service will be the sole responsibility of the vendor on weekly or monthly basis.

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