



**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/125/39/2009

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 **02 February 2010**. The envelope should be super scribed "Enquiry Number PS/125/39/2009 due on **02 February 2010**".

Sr. No.	Description of Stores	Unit	Quantity
01	<b>Supply &amp; Installation of Multi Filter Shadow Band Radiometer (MFR)</b>  (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**

(Enclosure to Enquiry Letter No. PS/125/39/2009/ \_\_\_\_\_ dated 28.12.2009)

**Specifications for Multi Filter Shadow Band Radiometer (MFR) – Qty 01 Set**

Spectral Response:	Broadband Thermopile channel, and a minimum of 6 optical channels viz. 415, 500, 615, 673, 870, and 940, with 10 nm FWHM for optical depth, column aerosol and water vapor.
Cosine Response:	Better than 5% for raw data response for 0-80° zenith angle; better than 1% with automatic cosine corrections.
Operating Range:	-50°C to + 50°C
Sensitivity range:	0 – 1500 w/m <sup>2</sup>
Operating power:	230 V ac, 50 Hz
Sampling Rate:	Up to 4 samples/minute
Communication:	RS-232 port
System Memory:	1 week standard; up to 6 months with memory expansion option.
Data logger , software & calibration	Suitable data logger for data acquisition and software for system control and monitoring. System calibration facility should be available.

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