

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)

File No. PS/128/37/2013/ 1526 to 1538

Date: 23 OCT 2013

As per Lia enclosed

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 **19.11.2013 up to 12:00 hrs.** which will be opened on same day at **15:00 hrs.** The envelope should be super scribed "Enquiry Number PS/128/37/2013 due on **19.11.2013 up to 12:00 hrs**".

Sr. No.	Description of Stores	Unit	Quantity
01	<b>Supply &amp; Installation of Multi Filter Rotating Shadowband Radiometer</b>  <b>Specifications: As per the Enclosure</b>	No.	01 No

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) 25865142 दूरभाष / Telephone : 25904200

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

*[Handwritten Signature]*  
23/10/13  
Issued

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.
13. Supply Compliance statement as per our technical specifications.
14. 90% payment shall be made by Sight Draft / an Irrevocable Letter of Credit established in favour of the supplier through the State Bank of India, Main Branch, Camp, Pune 411 001 (India) for the order value, excluding the Agency Commission due to the Indian Agents, against the presentation of original Shipping documents, balance 10% payment shall be released after completion of Satisfactory installation, commissioning, demonstration of the whole system, after imparting training and upon receipt of Bank Guarantee from Indian nationalized bank for 10% of total Order value towards performance bank guarantee to be valid for one year from the date of installation. However Letter of Credit/Sight Draft arrangement will be made for 100% order value. The Agency Commission to the Indian Agent will be paid only after successful installation, commissioning and satisfactory demonstration and acceptance of the items ordered for by the end user.
15. Delivery: The Equipments are required for IITM, Pune – 411 008 (India)

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,

  
(V. R. MALI)

Scientific Officer Gr. I  
for Director

e-mail : vipin@tropmet.res.in

INDIAN INSTITUTE OF TROPICAL METEOROLOGY  
PASHAN, PUNE – 411 008 (INDIA)

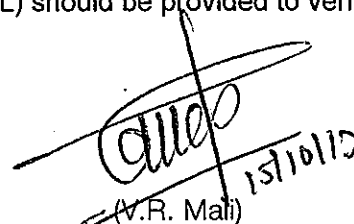
(Enclosure to Enquiry Letter No. PS/128/37/2013 dated 15.10.2013)

**Specifications for Multi Filter Rotating Shadowband Radiometer Qty - 01**  
**No.**

1	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.
2	Cosine Response	Better than 5% for raw data response for 0-80° zenith angle; better than 1% with automatic cosine corrections.
3	Operating Range	- 50°C to + 50°C
4	Sensitivity Range	0 – 1500 w/m <sup>2</sup>
5	Operating Power	230 V ac, 50 Hz
6	Sampling Rate	Up to 4 samples/minute
7	Communication	RS – 232 port
8	System Memory	1 week standard; up to 6 months with memory expansion option
9	Data logger, software & calibration	Suitable data logger for data acquisition and software for system control and monitoring. System calibration facility should be available
10	Data acquisition system	Suitable laptop for data acquisition and online monitoring.
11	Cable length	At least 30 m.
12	Backup	Backup system suitable for Multi Filter Rotating Shadow Band Radiometer, minimum half an hour is required.

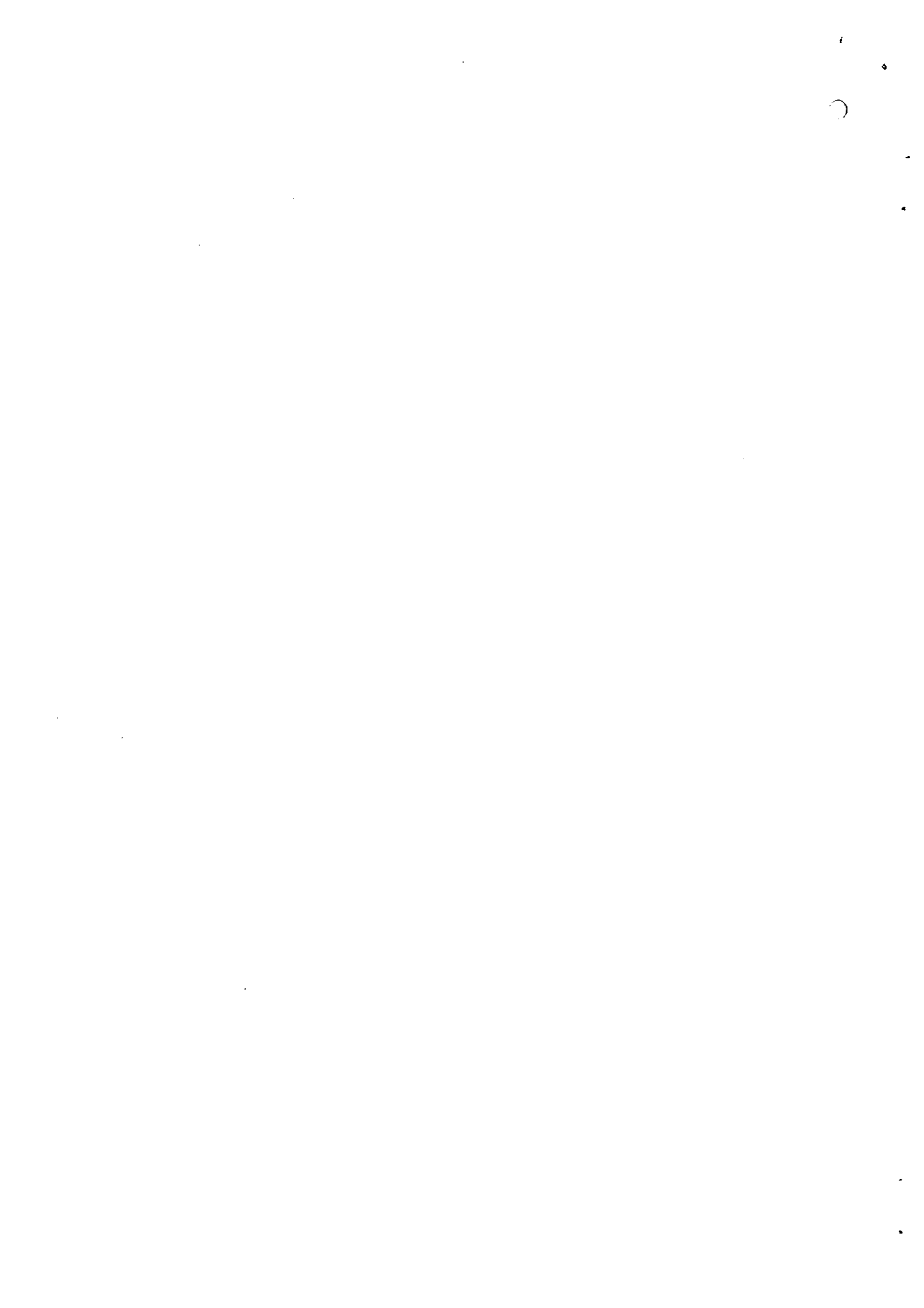
- Note :** (i) **Make, Model name & Warranty Period** of the equipment may be mentioned clearly failing which quotation will not be considered.  
(ii) Technical specifications **compliance sheet** may be enclosed along with quotation.  
(iii) Data sheet showing technical specifications published by the manufacturer should be enclosed, relevant web address (URL) should be provided to verify the technical parameters.

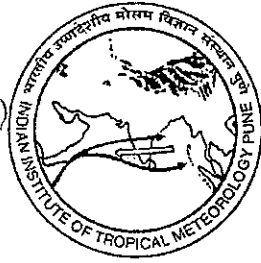
o/c

  
(V.R. Mali)

Scientific Officer Gr. I  
for Director

Contact No. : (+91 020) 25904483 / 210  
e-mail : vipin@tropmet.res.in





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)

Ordinary Post

सं. / No. PS/128/37/2013/ 1497E 15 16

दिनांक / Date : दूत गति डा.प.

मेसर्स./ M/s.

~~SPEED POST~~

22 OCT 2013

As per list enclosed.

प्रिय महोदय / Dear Sirs,

“दिनांक \_\_\_\_\_ की पूछताछ से \_\_\_\_\_ की अनुक्रिया में दिनांक \_\_\_\_\_ की नवोदित दर सूची,” लिफाफे पर लिखे मुहरबंद निवोदित दर सूची निम्नलिखित भण्डारों की आपूर्ति के लिए संस्थान दिनांक \_\_\_\_\_ के 12.00 घंटे तक निमंत्रित है जिन्हे उसी दिन 15.00 घंटे तक खोला जाएगा।

Quotation in sealed cover superscribed there on Quotation due on 19.11.2013 in response to Enquiry No. PS/128/37/2013 dated 15.10.2013 are invited for the supply of under-mentioned stores so as to reach this institute latest by 12-00 hours on 19.11.2013 which will be opened on the same day at 15-00 hours.

सामान्यतः खोलने के दिनांक से कम से कम 60 दिनों की अवधि तक यह निवेदित दरसूची वैध रहेगी।

The quotation shall normally remain valid for a minimum period of 60 days from the date of opening

इस पष्ठ की दूसरी और छपे अनुदेशों को ध्यान में रख कर निवोदित दरसूची भरी जाएगी।


The quotation shall be filled in with the consideration to the instruction printed overleaf.

क्रम सं. Sr. No.	भण्डार का विवरण Description of Stores	इकाई Unit	मात्रा Quantity
01.	Supply & Installation of : - Multi Filter Rotating Shadowband Radiometer (Specifications – As per enclosure)	No.	01 No.

- Note:- (1) Enquiry Letter No. and due date should be mentioned on the top of envelope.  
(2) If above item is available on Rate Contract basis, then please specify accordingly in the quotation. Also enclose Rate Contract copy.  
(3) Technical Literature/Pamphlet, if any, may please be enclosed to quotation.  
(4) Quotation by fax / e-mail will not be considered.

एस.टी./सी.एस.टी./आदि के लिए संस्थान कोई रियाती फार्म नहीं दे सकता।  
This Institute is unable to furnish any Concessional form for S.T / C.S.T. / etc.

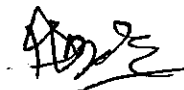
भवदिय / Yours faithfully

  
V. R. Mah  
Scientific Officer Gr.-I  
for Director

तार : ट्रॉपमेट, पुणे Grams : TROPMET, PUNE

फैक्स : Fax : (020) 25865142 दूरभाष / Telephone : 25904200

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Issued

निविदा प्रस्ताव के लिए अनुदेश / INSTRUCTIONS TO TENDER

1. नियत तारीख के बाद प्राप्त दर सूची पर विचार नहीं किया जाएगा।  
Quotation received after the due date will not be considered.
2. दर सूची स्पष्ट अक्षरों में भरी जानी चाहिए और अधिलेखन/सुधार, काटछांट आदि हो तो उनको विधिवत अनुप्रमाणित करना चाहिए और आपके पत्रशीर्ष पर ही होना चाहिए।  
Quotation must be filled in legibly and overwriting/corrections, erasures etc. if any, must be duly attested, and ON YOUR LETTERHEAD ONLY.
3. पूछताछ पत्र में दर्शाई गई इकाइयों के अनुसार दरें प्रस्तुत की जानी चाहिए। जब दरें विशेष रूप से उल्लिखित इकाइयों से अलग हों तब इकाइयों के बीच संबंध दर्शाया जाए।  
The rates shall quoted according to the units indicated in the enquiry letter. When the rates are quoted in units different from those specified, the relation between the units shall be furnished.
4. प्रस्तावित भंडार अधिमान्य रूप से संबंधित भारतीय मानक विनिर्देशों के अनुसार होने चाहिए।  
The stores offered shall preferably be according to the relevant Indian Standard Specification.
5. दर सूची में सुपुर्दगी की सही अवधि तथा सुपुर्दगी की शर्तों का उल्लेख किया जाना चाहिए।  
The exact delivery period and terms of delivery shall invariably be mentioned in the quotation.
6. पाषाण स्थित इस संस्थान में (स्थानिक फर्मों के लिए) सुपुर्दगी की शर्त पर और "एफ ओ आर पुणे (बाहरी फर्मों के लिए) सुपुर्दगी" के आधार दी जानेवाली दरों को वरीयता दी जाएगी।  
Preference shall be given to rates quoted as delivery at this Institute premises at Pashan (for local firms) and as FOR Pune (for outstations firms)
7. दरों में सभी प्रभार कर, ड्यूटी आदि को समाविष्ट करना बेहतर होगा साथ ही इन प्रभारों को सुस्पष्ट और पृथक दिखाया जाना चाहिए।  
The rates preferably include all charges, taxes, duties etc. also these charges shall be shown distinctly and separately.
8. विक्री कर की रियायती दर के लिए फार्म (डी) या फार्म (ए.एफ.) जो भी उपयुक्त हो, उसे संस्थान नहीं दे सकेगा।  
The Institute will not be in position to furnish form (D) or form (AF) as the case may be for concessional rate of Sales Tax.
9. रकम का भुगतान 30 दिनों के अंदर किया जाएगा।  
Payment will be made within 30 days.
10. आपूर्ति के लिए जारी आदेश में दी गई निर्धारित अवधि के अंदर पूर्णरूप से सुपुर्दगी दी जानी चाहिए। आपूर्ति में या रद्द सामग्री को बदलने में असफल होने पर आदेश बिना पूर्व सूचना से रद्द किया जा सकता है तथा आगे आपके जोखिम और लागत पर अन्य स्थान से सामग्री प्राप्त की जाएगी।  
An order for supply when placed, must be completed in full within the delivery period indicated on the order. Failure to supply or replace the rejected materials if any, will render the order liable to be cancelled without notice and the material will be procured elsewhere at your risks and cost.
11. ऊपर बताए गए अनुदेशों की पूर्ति न करनेवाली दर सूचियों पर विचार नहीं किया जाएगा।  
Quotations, not fulfilling the above instructions, are not likely to be considered.
12. किसी निविदा दर सूची या उसके किसी अंश को संस्थान बिना कारण बताए स्वीकृत अथवा अस्वीकृत करने का अधिकार सुरक्षित रखता है।  
The Institute reserves the right to accept or reject any quotation or part thereof without assigning any reason thereof.
13. वारंटी : आपूर्तिकर्ता 12 महिनों के लिए यह वारंटी देगा कि उसके द्वारा आपूर्ति की गई माल, कारीगरी, माल और विनिर्माण की सब त्रुटियाँ और दोषों से मुक्त हो, उच्च कोटि के हो और संस्थापित और सामान्य रूप से स्वीकृत मानकों के साथ मिलते हो, विशेष विवरण की पुष्टि करते हो और यदि प्रचालित होने वाले हो तो सही ढंग से प्रचालित होने चाहिए।  
Warranty : The supplier shall be given a warranty for a period of 12 months to the materials supplied shall free from all defects and faults in materials, workmanship and manufacture shall be of the highest grade and consistent with the established and generally accepted standards shall be in confirmatory with the specifications and shall be if operable operate properly.

Indian Institute of Tropical Meteorology  
Pashan, Pune – 411 008

(Enclosure to Enquiry Letter No. PS/128/37/2013/ dated 15.10.2013)

**Specifications for Multi Filter Rotating Shadowband Radiometer Qty - 01 No.**

1	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.
2	Cosine Response	Better than 5% for raw data response for 0-80° zenith angle; better than 1% with automatic cosine corrections.
3	Operating Range	- 50°C to + 50°C
4	Sensitivity Range	0 – 1500 w/m <sup>2</sup>
5	Operating Power	230 V ac, 50 Hz
6	Sampling Rate	Up to 4 samples/minute
7	Communication	RS – 232 port
8	System Memory	1 week standard; up to 6 months with memory expansion option
9	Data logger, software & calibration	Suitable data logger for data acquisition and software for system control and monitoring. System calibration facility should be available
10	Data acquisition system	Suitable laptop for data acquisition and online monitoring.
11	Cable length	At least 30 m.
12	Backup	Backup system suitable for Multi Filter Rotating Shadow Band Radiometer, minimum half an hour is required.

- Note :** (i) **Make, Model name & Warranty Period** of the equipment may be mentioned clearly failing which quotation will not be considered.  
(ii) Technical specifications **compliance sheet** may be enclosed along with quotation.

  
15/10/13

(V.R. Mali)

Scientific Officer Gr.-I  
for Director

Contact No. : (020) 25904483 / 210

e-mail : vipin@tropmet.res.in

नियम और शर्तें (ज़ारी)  
Terms and Conditions (contd.)

14. दर पत्र में निम्नांकित बातों के संदर्भ में स्पष्ट जानकारी दी जानी आवश्यक है जैसे कि यूनिट कीमत, विक्री कर, परिवहन, संक्रमणकालीन बीमा, स्थापित करने का खर्च और एक वर्ष की उसी जगह की वॉरंटी । विक्री कर में कोई माफी या छूट मिलने के बारे में संस्थान कोई प्रमाणपत्र ज़ारी नहीं करेगा । अपूरी जानकारी देनेवाले दरपत्रोंके बारे में कोई विचार नहीं किया जाएगा तथा रद्द किया जायेगा ।  
Quotations must clearly indicate the features offered Unit Price [Sales Tax, Transport, Transit Insurance, Installation charges and one year on-site warranty. Institute cannot furnish any certificate for exemption or reduction in Sales Tax etc. Incomplete Quotation will not be considered and rejected.
15. अग्रिम का भुगतान नहीं किया जाएगा ।  
No advance can be paid.
16. केन्द्रीय उत्पाद शुल्क कर के वेतन से संस्थान को छूट प्राप्त हुई और और अगर आवश्यक हो तो, अनुरोध पर विमोचन प्रमाणपत्र ज़ारी किया जायेगा ।  
Institute is exempted from the payment of Central Excise duty and exemption certificate will be issued on requested, if required.
17. अगर कोई एलबीटी कर का भुगतान हो तो, उसका कृपया अलग उल्लेख किया जाए ।  
LBT payment if any, the same may please be shown separately.
18. भुगतान नियम निम्न प्रकार से है :-  
Payment terms will be as follows :
- i) सन्तोषजनक प्रतिष्ठापना के बाद **90%** भुगतान ।  
90% Payment after satisfactory installation.
- ii) राष्ट्रीयकृत बैंक द्वारा बैंक गारंटी का प्रत्यक्ष क्रियान्वयन होने के पश्चात् **10%** का भुगतान होगा, यह वॉरंटी अवधि के समापन तक लागू रहेगी, जिसकी अवधि बढ़ाई जा सकती है ।  
10% Payment after execution of Bank Guarantee from a Nationalized Bank which will be valid till the expiry of warranty period including extension if any.
19. उपकरण स्थापित करने के पश्चात् स्वीकृति की सभी मानके जाँच पड़ताल की जाएगी । स्वीकृति के ऐसे परीक्षण पूरे हो जाने के बाद ही संबंधित उपकरण का स्वीकार किया जायेगा ।  
All standard acceptance tests will be carried out after installation the equipment will be taken over only after successful completion of acceptance tests.
20. उसकी कीमत स्थिर और अपरिवर्तनीय होनी चाहिए और उसमें कच्चा माल और घटकों की लागत में वृद्धि होने पर या रूपया-विदेशी मुद्रा के विनिमय दर में बदलाव आने पर भी कोई परिवर्तन नहीं होगा ।  
The price should be firm and irrevocable and not subject to any change whatsoever, even due to increase in the cost of raw materials and components and Rupee-foreign exchange conversion rate.
21. उपकरण प्राप्त होने के पश्चात् एक महिने की अवधि में स्थापना प्रक्रिया पूरी होनी चाहिए ।  
The installation process should be completed within one month from the date of delivery.



(V. R. Mali)

Scientific Officer Gr.-I  
for Director

E-mail : vipin@tropmet.res.in