

F.NO : 7/1(2)/CHAMAN-Procurement/2015-MNCFC

Government of India
Ministry of Agriculture
Department of Agriculture and Cooperation
Mahalanobis National Crop Forecast Centre
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Pusa Campus, New Delhi
Dated 2nd Feb 2015

Sub:-Limited Tender for purchase of Portable Handled Spectroradiometer:-reg

Mahalanobis National Crop Forecast Center is an attached office of Department of Agriculture and Cooperation under Ministry of Agriculture located at Pusa Campus, New Delhi. MNCFC invites quotations for the purchase of Portable Handled Spectroradiometer (Hardware and Software), for its recently approved CHAMAN (Coordinated Horticulture Assessment and Management using geoinformatics) project with following specifications.

1. **Wavelength Range:** 400-1000 nm
2. **Spectral Resolution** ≤ 3.0 nm
3. **Spectral Sampling** ~ 1 nm
4. **Detectors:** 512 Si Array
5. **Noise Equivalence Standard:** $5 \times 10^{-9} \text{ W/cm}^2/\text{nm/sr}$ or better
6. **Integration Time:** 5-10 ms minimum (selectable)
7. **Field of View:** 15-25°
8. **Communication:** USB/Bluetooth
9. **Memory Storage:** At least 1,000 spectrum files
10. **Power:** Rechargeable Alkaline or Li ion Batteries
11. **Battery Life:** At least 2.5 Hours of continuous operation
12. **Display:** Color LCD Display of Spectra
13. **Software:** User friendly Window based software for Data collection, Data export (into multiple formats: txt, xls), Data Transfer to Computers and Data post-processing
14. **Stand Alone Measurements:** No Additional Computer/PDA/Laptop should be required for observation
15. **Instrument:** Portable, Rugged, with ≤ 3 kg weight, Tripod Mount Facility, Working Range: 0° to 40° C
16. **Accessories:**
 - a. Rugged Travel case
 - b. Tripod
 - c. Battery Charger
 - d. 2 sets of Batteries
 - e. Data transfer Cable (preferable USB)
 - f. Power Cable
 - g. GPS receiver for collecting location of the observation

- h. Reference panels: calibrated white panel 5 x 5 inch
- i. Field back-pack
- j. Training Manuals, Documents, Certificates

Last date for receipt of sealed quotation at the specified address is 16.2.2015 by 12.00 hr. Quotation will be opened on the same day at 14.30 hrs. You are requested to quote all inclusive best rates including all taxes applicable. Sealed quotation may be sent at the following address as per the enclosed terms and conditions.

Director
Mahalanobis National Crop Forecast Centre
Ministry of Agriculture, Near Krishi Vistar Sadan
Pusa Campus , New Delhi -110012, India

The quotation should include EMD of Rs. 10000/- (Rupees Ten thousand only), in the form of Account Payee Bank draft, in favour of PAO (Sectt-I), DAC, Krishi Bhavan, New Delhi.



(S.Mamatha)
Scientist/HOO

Ph. 011-25843229

Terms & Conditions

1. Delivery :Within 2 weeks from the date of confirmation order
2. Onsite Installation and Training within 1 week of Delivery
3. Payment terms: 75% payment after delivery, verification of items, and against performance bank guarantee of 10% of the value of the bid (with validity 2 months beyond the warranty period) , Rest 25% after Installation and Training
4. Validity : Rates should be valid for 2 months
5. Warranty : Minimum 2 years onsite
6. Farms must have record of selling the same and higher version products to minimum 10 users in India
7. The Farm should have an authorized agency in India.
8. Quotations should be accompanied by complete literature and manual of equipment
9. Quotations from firms must clearly indicate details of after-sales service (mere mentioning period of warranty would not suffice) including response time at (name of Institute) and list of users and recent purchase order received (in different Govt Institutes/organizations) with updated telephone numbers and addresses.
10. The entire system including all the different parts mentioned above should be compatible with one another. Breakups of price for each item mentioned above should be indicated in the quotations.