



**CENTRAL INSTITUTE FOR COTTON RESEARCH  
REGIONAL STATION, COIMBATORE 641003**



**Dr. N. Gopalakrishnan**  
Project Co-ordinator & Head (Cotton Improvement)

Fax: 0422 – 2454021  
Phone: Off: 0422-2430045  
Email: cicrcbe@gmail.com  
Web: www.cicr.org.in

F.No.ST-I/(1-1)06 /Plan/09-10/

Dated:3.12.09

Sir,

**Sub: Quotation for the purchase of Neutron Moisture Meter with Aluminium Access Pipes – One No. - reg.**

Sealed quotations are invited by the Project Coordinator & Head, Central Institute for Cotton Research, Regional Station, Coimbatore-3 for the purchase of **Neutron Moisture Meter with Aluminium Access Pipes – One No** as per the specifications, terms and conditions prescribed below:

**SPECIFICATION OF NEUTRON MOISTURE METER WITH ALUMINIUM ACCESS PIPES**

The instrument should have the following features:

- Compact, rugged and shock resistant Probe
- Used for Sub surface Moisture measurement in field.
- 8-character LCD display for direct Read out.
- Sixteen User Selectable Calibrations.
- In built Microprocessor for Direct Selection function to measure moisture in the soil at a depth of approx. 10 ft.
- User selectable: counts, counts ratio, gcc, pcf, ipf, cpc, % moisture and counts per 16 seconds.

a) Moisture Range	:	0.0 to 6 in/ft (0.0 to 0.50 g/cc)
b) Precision at 1 min	:	$\leq \pm 0.024$ in/ft ( $\pm 0.002$ g/cc)
c) Counting time	:	User selectable from 1 to 256 sec. In 1 sec. Increments.
d) Accuracy of moisture standards	:	$\pm 3\%$

- Data storage capacity  $\geq 24$ K byte or 1365 records. Data transfer ability to computer/printer.
- Neutron source:  $\leq 50$ mCi Americium 241 Be, encapsulated in double seal.
- Battery operated
- Radiation protective shielding (Lead)
- Radiation protective case

- Indigenous make Aluminium access pipes of 2m length and diameter compatible to the neutron probe (30 Numbers)
- Portable data analysis system for data downloading

#### **Accessories**

1. Auger set: For access tube for installation
2. Dummy probe
3. RS-232C cable with upload program to upload the data from hydroprobe to computer and printer
4. Any other relevant accessories

#### **Terms & Conditions:**

1. The price should be inclusive of all taxes/VAT
2. Sealed quotation along with the literature and pamphlets should reach this office on or before **26.12.09**
3. Amount should be quoted in Indian Rupees
4. As the equipment/Instrument is urgently needed for our research work, the firms who will be able to make immediate supply to **Central Institute for Cotton Research, Regional Station, Coimbatore – 3** should quote.
5. Envelops may please be super scribed with the word **“Quotation for Neutron Moisture Meter with Aluminium Access Pipes”**
6. Instruments/Equipment will be purchased from only those parties, who can ensure and undertake to provide the satisfactory after-sales-service within the country. The supplier should also ensure to offer a complete detailed package on back up support, prompt commissioning, after-sales-service including workshop backup, timely supply of spares, timely repair of equipments, proper training to Scientists/Technicians on use.
7. Guarantee/Warranty period offered and after sales service available should be clearly mentioned.
8. The make, quality and specifications may be stated in detail/must be as per details given by this office.
9. **In case supply is not made within a fixed period the office reserves the right to cancel the order.**
10. **The payment will be made only after completing delivery according to the specifications, quality and quantity given in the quotation/purchase order with in 30 days.**
11. Other terms and conditions of supply if any may also be stated.
12. Materials will be accepted only after giving satisfactory demonstrations.
13. The Project Coordinator & Head, CICR reserves the right to accept or reject one or all quotation/s without assigning any reason thereof.
14. The quotations, without the above desired information/received after the due date are liable to be rejected.

Project Coordinator & Head