

# CENTRAL INSTITUTE FOR COTTON RESEARCH

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{Location: Near Indian Oil Depot, Panjari, Wardha Road, Nagpur – 441 108}

F. No.(52)St/NFBSFARA/Nucleic Acid/2011-12

Date: 10.01.2012

**Sub:** Quotation for the Purchase of **Automated Nucleic Acid Extractor**– reg.

Sir,

Sealed quotations are invited by the Director, Central Institute for Cotton Research for the purchase of following **Automated Nucleic Acid Extractor** on the terms and conditions prescribed below:

SN	Specification	Rate (In Rs.)	Qty.	Amount (In Rs.)
1.	<b>AUTOMATED NUCLEIC ACID EXTRACTOR</b> <b>(The detailed specification is enclosed)</b>	@ Rs.	ONE	Rs.

## Terms & Conditions:

1. The price should be inclusive of all taxes / VAT etc.
2. **EMD amount 3% of the quoted / estimated value** of the above Automated Nucleic Acid should be enclosed with quotation in the form of D.D. in favour of Director, CICR, Nagpur.
3. Sealed quotation along with the literature and pamphlets should reach this office on or before **31.01.2012**.
4. As the Automated Nucleic Acid is urgently needed for our research work, the firms who will be able to make immediate supply F.O.R., Central Institute for Cotton Research, Panjari Farm, Wardha Road, Near Khapri, Nagpur should only quote the desired rates.
5. Envelops may please be super-scribed with the word **“Quotation for Automated Nucleic Acid Extractor”**.
6. Instruments indigenous or imported 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 Automated Nucleic Acid to Scientists/ Technicians on use.
7. Guarantee/Warranty period offered and after sales service available should be clearly mentioned.
8. The quotation should be quoted by solely local authorized stockiest Service distributor against this Automated Nucleic Acid, who has necessary service backup facility.
9. Authorization Certificate should be enclosed with the quotation for this Automated Nucleic Acid.
10. Those who are unable to provide the local service facility will not be entertained.

11. The make, quality, and specifications may be stated in detail/must be as per details given by this office. In case supply is not made within a fixed period the office reserves the right to cancel the supply order.
12. The payment will be made only after completing delivery according to the specifications, quality, and quantity given in the quotation/purchase order.
13. Other terms and conditions of supply if any may also be stated.
14. Automated Nucleic Acid will be accepted only after giving satisfactory demonstrations.
15. The Director, CICR, reserves the right to accept or reject one or all quotations without assigning any reason thereof.
16. The quotations, without the desired specification received after the due date are liable to be rejected.

**Administrative Officer**

### **Specification of Automated nucleic acid extractor**

1. System should be effective enough to automatically purify nucleic acids from a diverse range of sample sources.
2. System should have preprogrammed protocols built in for nucleic acid from tissue and plant genomic DNA isolation.
3. System should employ cellulose coated magnetic beads based reagent cartridges to provide consistent and stable nucleic acid purification.
4. System should have a touch button operation facility to ensure simple working.
5. System should be able to process 12-16 samples per batch of experiment.
6. System should have throughput time of about 30 -70 minutes for nucleic acid purification.
7. System should consist of pipetting unit, UV light, heating block, display screen, cartridge rack, Track, Cartridges, Tip holder.
8. System should be microprocessor controlled and should have LCM screen with key press panel.
9. System should have power input of 100-240V, 50-60Hz.
10. Sample rack should accommodate volumes ranging from 200-1200 micro litres.
11. The system should provide elution volume from 60-200 $\mu$ l with average yield of up to 6  $\mu$ g genomic DNA /200 $\mu$ l with the purity of OD 1.8 to 2.0 A260/A280 ratio.