

CENTRAL INSTITUTE FOR COTTON RESEARCH

POST BAG NO 2, SHANKAR NAGAR POST OFFICE NAGPUR - 440 010

Phone: 07103 - 275549, 38, Fax: 91- 07103 – 275529

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

F.No.(20) St/AAS/XIth Plan/JVS/2008-09

Dated 03.10.2008

To,

Amended / Revised

U. P. C.

Sub: Quotation for the purchase of Atomic Absorption Spectrophotometer in revised specification – reg.

Sir,

Sealed quotations are invited by the Director, Central Institute for Cotton Research for **Atomic Absorption Spectrophotometer** as per the terms and conditions prescribed below:

S N	Technical Specification	Rate (in Rs.)	Qty. Reqd.	Amount (in Rs.)
1	<p><u>Atomic Absorption Spectrophotometer:</u></p> <ol style="list-style-type: none"><u>Optics</u> : True Double beam, chamber coated with polypropylene reflective system protected against dust and vapour<u>Monochromator</u> : Focal length 290 mm, high resolution holographic grating (minimum 1800 lines/mm)<u>Sensitivity</u> : Upto 0.1 ppm<u>Wavelength</u> : Automatic wavelength selection / picking, Range : 185-900 nm<u>Lamp selection and peaking</u> : Automatic two lamps at one time selection, 6 lamps motorized.<u>Slit width</u> : 0.2-2 mm, Spectral band width, Digital selection<u>Detector</u> : Wide range photomultiplier tube<u>Burner</u> : Titanium, programmable flame control. Automatic head – height adjustment (vertical / horizontal position). Fuel gas & flow rate setting is automatically controlled.<u>Nabulizer</u> : Ceramic with impact bid and auto cleaning facility. Corrosion resistant.<u>Power supply</u> : AAS 200VA - 300VA<u>Fuel Control</u> : Automatic control of Air / N₂O gas system<u>Safety measures</u> : Comprehensive safety device, automatic flame extinguish against power failure, monitoring of drain level, automatic gas leak check etc. <p><u>Necessary Accessories along with AAS :</u></p> <ol style="list-style-type: none">Software inbuilt P4 PCHollow cathode lamps – Zn, Fe, B, Ca, K, Mn, Cu and Mb (molybdenum), Lamp size as per instrument.Fume hood with ducting for emission of gasesMetallic cover for instrument circuit protection against rodentsTeflon sample uptake tubingAir-Acetylene burner, Pressure gauze, spare fuses and power cable etc.Air compressor and 1 KVA serve controller stabilizer.Calibration upto 10 standards, unlimited samples in a runComplete quality control protocols.		One	

Terms and Conditions are on next Page.

-: 2 :-

Contd...2...

Terms & Conditions:

1. The price should be inclusive of all taxes/VAT etc.
2. Sealed quotation along with the literature and pamphlets should reach this office on or before **31.10.2008**.
3. As the equipment /Instrument 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 quote.
4. Envelops may please be superscribed with the word **“Quotation for Atomic Absorption Spectrophotometer”**.
5. 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 spares, timely repair of equipments, proper training to Scientists/Technicians on use.
6. Guarantee / Warranty period offered and after sales service available should be clearly mentioned.
7. The list of users of reputed laboratories of the same equipment should also be made available.
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.
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 Director, 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.

Yours Faithfully,

Administrative Officer