

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. (33)St/ELISA Reader/PLAN/2008-09/GB/

Date: 18.12.2008

Sub: Quotation for the purchase of **Elisa Reader - Reg.**

Sir,

Sealed quotations are invited by the Director, Central Institute for Cotton Research for the purchase **Elisa Reader** as per the terms and conditions prescribed below:

The detailed specification is enclosed herewith

Specification	Rate (in Rs.)	Qty. Reqd.	Total Amount (in Rs.)
Elisa Reader Detailed specification is mentioned overleaf	@ Rs. each unit	One unit	Rs.

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 **13.01.2009**.
3. As the equipment 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 super-scribed with the word **“Quotation for “Elisa Reader”**.
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 machines, proper training to Scientists/Technicians on use.
6. Warranty period offered and after sales service available should be clearly mentioned.
7. The supplier/firm should be submitted Authorizations Certificate from the Manufacture/ Principle along with the Quotation.
8. The list of users of reputed laboratories the quoted equipment should be also made available.
9. The make, quality and specifications in Quotation may be stated in detail/must be as per details given by this office.
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. The Director, CICR, reserves the right to accept or reject one or all quotation/s without assigning any reason thereof.
13. The quotations, without the above desired information / received after the due date are liable to be rejected.

Administrative Officer

P.T.O.

Technical Specification of ELISA Reader

ELISA Plate analyzer		Specification
Linear measurement range	:	0.000 to 3.000 Absorbance Units (A)
Photometric Accuracy	:	±2% or 0.007 which ever is higher, from 0 to 1.5 , ±3% from 1.5A to 3.0A
Drift	:	< 0.007 A/ hr
Optical measurement	:	Photodiode
Photometric Linearity	:	2.2A
Filters		
Type of filter	:	Interference
Wave length	:	405nm, 450nm, 492nm, 630nm and two optional
Half bandwidth	:	10nm ±2nm
Selection Filter	:	Automatic by DC Motor
Light Source	:	Xenon gas filled/ Tungsten Halogen
Warm up time	:	45 sec(built in)
Display	:	Four line LCD, back lit, 20 characters
Curve plotting:	:	Graphical representation on printer
Plate carrier movement	:	Precisely through the stepper motor
Printer	:	Built in thermal Printer 52 Columns
Memory	:	32Kb Non volatile RAM Battery backup supporting 125 open channels
Analysis Mode	:	Absorbance Cut-off Multi Standard Single Standard % Absorbance
Power		
Wattage	:	50 Watts
Voltage	:	115-230 volts, 50/60 Hz
Operating Position	:	On Horizontal Flat, rigid and vibration free surface
Operating conditions		
Temperature	:	From +18°C to 35°C
Humidity	:	Up to 85%
Storage Conditions		
Temperature		From -10°C to + 60°C
Humidity		Up to 85%, Absorbance Fire retardant
With Advanced mobile Work Station		

Administrative Officer

Elisa Plate Washer		
Manifold	:	8 way manifold
Dispensing	:	
Method	:	Peristaltic pump based
Volume	:	300 to 400 µl in steps of 50µl
Aspirating		
Method	:	Continuous through diaphragm pump while dispensing and preventing overflow.
Residual volume	:	< 5 µl
Waste Bottle	:	One (capacity 2 lit) with audible alarm when bottle is completely filled in with waste solution
Wash Bottle	:	One (capacity 2 lit)
Rinse Bottle	:	One (capacity 2 lit)
Display	:	Single line backlit LCD with 16 characters
Liquid contact material	:	Silicon, Stainless steel, Derlene
Memory	:	8Kb-Nonvolatile RAM, Battery back up supporting 35 open channels.
Washing method	:	Longwash Shortwash Rinsing Priming
Incubator	:	For Two ELISA Plates,37°C
Timer	:	Individually Programmable
Power		
Wattage	:	50watts
Voltage	:	115-230 Volts, 50/60 Hz,
Operating Position	:	On horizontal, rigid, Flat and vibration free surface
Operating Conditions		
Temperature	:	+18°C to 35°C
Humidity	:	Up to 85%
Storage Conditions		
Temperature	:	10°C to 35°C
Humidity	:	Up to 85%

Administrative Officer