

PART-A

A3/51443/2008

Specification for Texture Analyzer (Texture measuring system)

1. Force/load $\pm 1 \text{ Kg}, \pm 50 \text{ kg}, \pm 100 \text{ Kg}, \pm 500 \text{ Kg}$
2. Load accuracy $\pm 0.5\%$ of reading down to 1% of load cell capacity
3. Load cells Directly interchangeable by the user, all load cells should store their unique calibration and identification information in onboard non volatile memory
4. Speed range 0.01-20 mm/sec
5. Speed accuracy Better than 0.1%
6. Range setting 0.001-524 mm
7. Range resolution 0.001 mm
8. Data channels Filtered force at 20 bit, distance at 24 bit, temperature
9. probe inputs (range – 50 to + 250 C)
10. Operating temperature- 0 to 40 degree C
11. Operating environment - Laboratory conditions dust and splash resistant
12. Data acquisition rate should be 500 points per second (pps) for each data channel
13. Power supply should be of Universal mains input voltage Load cell information such as capacity, calibration etc. should be automatically detected upon installation and force filtering to prevent potential errors
14. The instrument should have the facility for calibration with any weight upto the load cell capacity installed in the texture analyzer to provide accuracy and should have the option of factory or user calibration.
15. The instrument should be able to alter the speed in proportion to the instantaneous height of the sample and product
16. External instrumentation should be provided for sensing the temperature and humidity etc
17. Texture analyser should have dedicated software for complete control and data analysis.
18. A Bi-Directional RS-232 PC Interface for computer control and automatic data gathering capability.
19. It should have windows compatible software package to analyze data, generate multiple plot overlays, print tabular data, run math models and perform other timesaving routines.
20. A dedicated computer with Intel 4 2.4 GHz/512MBDDR/DVD ROM/DVDRW should be provided to gather data and plot graphs

while creating permanent test records. Data can also be saved in the program or exported to Excel. Firm ware updates

21. The instrument should also support direct connection to a USB printer. USB compatible laser printer with minimum 600 dpi should be supplied to print data and graphs.
21. The instrument should be provided with four external instrumentation channels using an industry standard and should be suitable for external sensing of temperature and humidity
22. The instrument should be provided with softwares for fitting data to common models
23. The should have a guarantee period of at least 2 years
24. Installation and satisfactory performance of the instrument should be ensured

PART-B
TERMS & CONDITIONS

A3/51443/2008

1. Preparation of Bids:

Sealed bids in two envelopes are to be submitted as following:

- a. Technical Bid: First Envelope namely Technical Bid should contain only technical specification. This envelope should also contain EMD. No commercial information that may have any financial implication will be mentioned there. This cover should be superscribed technical bid for 'Supply, Installation & Commissioning, testing support services, maintenance of the Texture Analyser (Texture Measuring System)'.
- b. Commercial Bid: Second envelope namely commercial Bid will be verbatim the same as technical Bid, but it also contains the financial terms & Conditions. This cover should be superscribed commercial bid for 'Supply, installation and Commissioning of Texture Analyser (Texture Measuring System)'.

However, both the envelopes should be kept in a common envelope and superscribed "Quotation for 'Supply, installation and Commissioning of Texture Analyser (Texture Measuring System)' against tender enquiry No.A3/51443/2008 and due date on 26.08.2008. This cover should be addressed to The Director, CFTRI, Cheluvamba Mansion, Mysore-570 020, India and Kind Attention: Sr. Controller of Stores & Purchase.

2. The Bids complete in all respects and duly signed and sealed should reach office of Sr. Controller of Stores & Purchase latest by 5.00 PM on or before 26.08.2008. This office will not be responsible for any postal/ courier delays.
3. Late / delay Quotation received after due date will be rejected summarily
4. Fax/e-mail tenders will not be considered.

5. Only Technical Bids will be opened on 27-08-2008 at 11.00 AM. Commercial Bid will be opened of only those Tenderers whose Technical Bids will be found suitable by us. The date and timing of opening of Commercial Bids will be communicated to the successful bidders of their technical quote.

6. Commercial Bid should contain the following details:

A. For goods manufactured abroad

- i) FOB value including packing, forwarding and inland freight charges up to Gateway International Air Port.
- ii) CIF Bangalore value by air freight.
- iii) Percentage & amount of Indian agency commission payable in Indian currency after the receipt of consignment in good condition at our Stores & in case of equipment after satisfactory installation, commissioning and acceptance.
- iv) All foreign bank charges shall be borne by the supplier.
- v) The offer should be valid for 90 days from the last date for receipt of Tender.

B. For Goods Manufactured within India.

- (i) The price of the goods quoted ex works should include all duties & Taxes already paid.
- (ii) The Percentage of Vat & other Taxes like Excise Duty, Service Tax which will be payable on the goods should be indicated.
- (iii) The cost of inland transport, insurance, and other local services for delivery of the goods at CFTRI, Stores should be indicated.

7. Earnest Money Deposit:

- a) The Earnest Money Deposit of Rs.30,000-00 OR (equivalent US\$.698-00 OR EURO.435-00) should be in the form of Demand Draft/International Demand Draft as the case may be from a Scheduled or Nationalized Bank drawn in favour of The Director, CFTRI, Mysore payable at Mysore.
- b) The Earnest Money of Successful Bidder on whom order is placed, will be returned after the supply, Successful installation, commissioning training and acceptance of the ordered item.

- c) The Earnest Money of Unsuccessful bidder will be returned immediately after placement of order on the successful Bidder.
- d) The Earnest Money of the successful bidder can be forfeited for non-execution of the order within the delivery period or on delay in executing the order or on unsatisfactory supply of the ordered item or providing unsatisfactory services.
- e) Bid without valid EMD will be rejected.
- f) No interest will be paid on EMD
- g) Separate EMD should be submitted in case of submission of offer for more than one item.

8. The principal manufacturer only should submit the quotation. However, if quotations are submitted by Authorized dealers/distributors, it can be acceptable only in case they attach a latest and valid authorization letter of their principals indicating that they are authorized to quote on behalf of their principals and are fully equipped to render us after sale service during warranty and thereafter.

9. Negotiation with bidders after the opening of the quotations is severely discouraged. Therefore, the bidders are advised in their own interest to quote their best competitive/discounted offer in the first instance or maximum discount may be indicated in the quote/offer. However, CFTRI reserves the right for a techno commercial discussion.

10. Indicate the names of the Indian reputed Organizations where you have supplied the similar equipment and may attach the satisfactory performance report of the equipment from users.

11. If supplied identical or similar equipment to other CSIR/Labs/Instt., the details of such supplies for the preceding three years should be given together with the prices eventually or finally paid.

12. Details of services to be rendered by your Principal.

13. Delivery period should be clearly indicated.

14.Details Terms including period of warranty (A minimum two years on site warranty is required).

15.Please do confirm that service manual will be supplied along with the supply of material.

16.Installation, Commissioning and satisfactory Demonstration of the whole System and Training should be free of cost.

17.Part shipment will not be allowed

18.The Installation, Commissioning and Demonstration of the system should be completed within two weeks from the date of arrival of the items at C.F.T.R.I., Mysore, INDIA.

19.Kindly indicate the approximate dimensions & weight of the stores/consignment:

- (a) Measurement
- (b) Tare Weight
- (c) Net Weight

20. Freight & Insurance will be arranged by our Clearing Agent whose address will be communicated while placing Order.

21.FOB Rates must be given for any of the following Gateway International Airports.

COUNTRY	GATEWAY INTERNATIONAL AIRPORT
Germany	Frankfurt
Japan	Tokyo
Hongkong	Hongkong
UK	London
USA	New York
Switzerland	Zurich/Geneva
Singapore	Singapore (Changi Airport)
Australia	Sydney
Austria	Vienna

Belgium	Brussels
Denmark	Copenhagen
Netherlands	Amsterdam
Canada	Toronto
Italy	Rome/Milan
France	Paris
Korea	Seoul

22. We prefer to release the payment on BILL basis (excluding Indian Agency Commission) after the receipt of consignment in good condition. Alternatively, depending upon the value and foreign exchange regulations the payment can also be considered through Sight Draft/Letter of Credit through the State Bank of Mysore, CFTRI Branch, Mysore for the order value excluding the Indian Agency Commission.

Sr. Controller of Stores & Purchase

PART – C

SPECIAL TERMS & CONDITIONS

- (1) IMPORT LICENSE: The import license is covered under OGLITCP 1997-2002.
- (2) Custom Duty: Procurement is as per Registration No. TU/V/RG-CDE (50)/2006 dated 12-09-2006 of Department of Science & Technology (Ministry of Science & Technology, Government of India) and also Custom Duty Exemption in terms of Government of India Notification No.51/96- Customs dated 23-07-96 for import of stores from abroad without an import license. The Registration is valid upto 31-08-2011.
- (3) The price of the items should be on FOB gateway airport. Freight and Insurance should also be quoted and the price should indicate separately CIF Bangalore. However, order will be placed on FOB.
- (4) Agency commission should be clearly specified.
- (5) CFTRI has its own forwarding & clearing agents. Therefore all consignments will be shipped through them.
- (6) TAXES/LEVIES: All taxes, duties, levies of any kind payable in abroad if any shall be borne by the supplier.
- (7) PAYMENT: 80% payment shall be made by Sight Draft/an Irrevocable Letter of Credit established in favour of the supplier through "State Bank of Mysore, CFTRI Branch, Mysore-570 020" for the order value, excluding the Agency Commission due to the Agents after supply, installation & commissioning in house training to staff and satisfactory acceptance of the Texture Analyser ((Texture Measuring System). Balance 20% will be released after satisfactory acceptance and receipt of Bank Guarantee of 20% of total order value either from Principal or from their Agent towards performance security to be valid for warranty period plus two months grace period from the date of acceptance. However, L/C will be opened for the full amount.
- (8) The payment of local currency portion shall be payable in equivalent Indian rupees, within 30 days after acceptance of the items and also compliance of all Terms & Conditions of our order related to it.

(9) The make/brand and name and address of the manufacturer, Country of Origin, copies of the relevant technical literature, Country of shipment and currency in which rates are quoted are to be mentioned.

(10) For Indigenous supply:

- a) The quote should be FOR CFTRI Stores, Mysore i.e. inclusive of packing & forwarding, freight, insurance charges (if any break-up prices may be indicated) otherwise the quote may not be considered for evaluation.
- b) Excise Duty: please note this Institute is exempted from payment of Central Excise duty in terms of Government Notification No. 10/97-Central Excise Dated 01.03.97 valid up to 30.08.2011. Hence, quote accordingly.
- c) The rate of VAT/Service Tax if applicable must be indicated clearly. This office is not eligible to issue form 'C' or 'D'.
- d) Payment in Indian Rupees: 80% payment will be made of supply, installation and in-house training of staff & its satisfactory acceptance of the Texture Analyser ((Texture Measuring System) in CFTRI Campus and balance on submission of 20% performance Bank Guarantee of total order value valid till warranty period with additional 2 months grace period.

(11) Delivery Period: "Time is the essence". Normally the delivery period is 3-4 weeks from the date of issue of purchase order. Delivery period should be clearly indicated.

(12) Warranty period: normal warranty period is two years comprehensive from the date of supply, installation & commissioning, demonstration and its satisfactory acceptance. This must be specified clearly in technical bid.

(13) MANUALS : Instruction manuals for operation and maintenance wherever applicable should be supplied along with the equipment free of cost.

(14) SERVICE : Bidder shall be responsible for after-sales service during the warranty period and thereafter. The after-sales service to be rendered by the bidder during the warranty and thereafter should be made clear in the technical bid. The after sales service is an essential requirement to us.

(15) Bidders have to confirm that all essential spare parts of the quoted system shall be available for a minimum period of 10 years from the date of supply of the equipment in the technical bid.

(16) Bidder should submit valid documentary proof of Sales Tax/VAT/Service tax.

(17) The tenders will be received in the office of the Sr. Controller of Stores and Purchase of this Institute upto 26-08-08 (5.00 PM) and shall be opened at 11.00 AM on the next day 27-08-2008 in the presence of the tenderers or their authorized agents who wish to be present.

(18) The copies of the relevant technical literature should accompany the tender.

(19) The equipment is to be guaranteed for trouble free performance for a minimum period of two years after installation. The defects, if any, during the guaranteed period are to be rectified free of charge by arranging free replacement wherever necessary.

(20) Discount offered should be mentioned clearly.

(21) If already you have supplied the quoted Equipment to other reputed Indian Organizations (Government/Reputed Private Organizations) with special reference to Labs/Institute of CSIR, New Delhi then complete postal addresses of such Organizations should be given in the offer along with Telephone number, Fax number and e-mail address along with the Name and designation of the contact person there.

(22) As far as possible please submit the offer against Air Freight only.

(23) All disputes subject to Mysore (India) jurisdiction only.

(24) The Director, Central Food Technological Research Institute, Mysore reserves the right to accept any tender in full or in part or to reject the lowest or any or all tenders without assigning any reason.

Sr. Controller of Stores & Purchase

PART - D
CHECK LISTS & CRITICAL DATES

Before submitting your quotations please confirm the followings:

DO's	DON'TS
<ol style="list-style-type: none"> 1. Send Quotations in 2 parts – Technical & Commercial Bids in separate covers. 2. Superscribe in the outer cover “Tender For _____” and Tender Enquiry No. _____ due on _____. 2. DD for EMD amount of Rs. 30,000/- 3. Separate Tender for each category. 4. Technical Literature / pamphlet should be enclosed along with the Technical Bid. 5. Enclosed list of clients / customers 6. Enclose authorization letter in case representing their principals 7. Endorse your signature in the Tender. 	<ol style="list-style-type: none"> 1. Over Write or Correction. 2. Do not combine Commercial & Technical Bids. 3. Fax, Telex or E-mail quotes. 4. Quotation after due date & time (5.00 pm).

CRITICAL DATES

The CFTRI reserves the right to amend the dates shown below. The critical dates are as follows:

Last date for BID Submission	5.00 pm on 26-08-2008
Technical BID Opening	11.00 am on 27-08-2008