



**CSIR- CENTRAL FOOD TECHNOLOGICAL RESEARCH  
INSTITUTE  
MYSORE-570 020, INDIA**



(Constituent Laboratory of CSIR, New Delhi (DSIR, Ministry of Science & Technology, GoI)  
An ISO 9001:2008, ISO 14001:2004 & ISO 17025:2005, NABL Accredited Laboratory

## **INVITATION FOR BIDS.**

**Tender No. CFTRI/52271/2019 Date: 12/DEC/2019**

### **TEXTURE ANALYZER WITH ACCESSORIES**

etender: For submitting tenders, login to <https://etenders.gov.in/e procure/app>

**LAST DATE:**

- 1) TENDER SUBMISSION : AT 14.00 HRS (IST) ON 30-DEC-2019
- 2) TENDER OPENING(Technical Bids Only): AT 14.00 HRS(IST) ON 31- DEC -2019

**BOQ (Bill of Quantity)** - Bidders should submit their financial bid in the format provided and no other format is acceptable. BOQ has been given as a standard format along with the tender document. It is mandatory for all the bidders to upload duly filled BOQ (in MS Excel Format) towards submission of their Financial Bid. No changes or modification to the given format is acceptable. Bidders are required to go through the instructions carefully before filling BOQ.

**Contact Details:**  
Stores & Purchase Officer  
CSIR-CFTRI, Cheluvamba Vilas,  
K.R.S. ROAD, Yadavgi P.O.  
Mysuru -570020  
Tel: 0821-2515440/2515447  
Fax: 0821-2515440  
e-mail: [cosp@cftri.res.in](mailto:cosp@cftri.res.in)  
[sosp@cftri.res.in](mailto:sosp@cftri.res.in)

**INSTRUCTIONS TO BIDDERS**

1. The Instructions, Terms & Conditions, General Conditions of Contract (GCC), Special Conditions of Contract (SCC), Annexures and Formats hosted in our website [www.cftri.com](http://www.cftri.com) (Path : Home Page→ Tenders→Standard Tender Document [scrolling text] ) constitutes integral part of this tender.
2. Warranty: **One Year (1 Year)** from the date of Installation and Commissioning.
3. Bid Security (EMD) **is not applicable** for this tender.
4. Performance Security **is not applicable** for this tender.
5. Integrity Pact **is not applicable** for this tender.
6. Pre-Bid Conference **is not applicable** for this tender.
7. **Terms of Payment:** The method and conditions of payment to be made to the supplier under this Contract shall be as follows:

**A. Payment for Goods supplied from Abroad:**

Payment of foreign currency portion shall be made in ( ) [currency of the Contract Price] in the following manner:

**(i) On Shipment:** 100 % (Hundred Percent) of the Contract Price of the Goods shipped shall be paid through Cash Against Documents/Wire Transfer/Irrevocable letter of opened in favor of the Supplier upon submission of documents specified in the GCC/SCC.

The L/C will be confirmed at the suppliers cost, if requested specifically by the supplier. All bank charges abroad shall be to the account of the beneficiary i.e. supplier and all bank charges in India shall be to the account of the opener i.e. purchaser. If L/C is requested to be extended/ reinstated for reasons not attributable to the purchaser, the charges thereof would be to the suppliers' account. Payment of local currency portion shall be made in Indian Rupees within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed. The LC for 100% value of the contract shall be established after deducting the agency commission payable if any, to the Indian agent.

**B. Payment for Goods and Services supplied from India:**

Payment for Goods and Services supplied from within India shall be made in Indian Rupees, [INR] as follows:

**On Delivery, Installation and Acceptance:** 100 % (Hundred Percent) of the Contract Price shall be paid on receipt of the Goods, upon submission of the documents specified in GCC/SCC and the acceptance certificate issued by the Purchaser.

**TECHNICAL SPECIFICATION FOR TEXTURE ANALYZER**

**Applications:** Determination of textural characteristics of food products by various test methods includes rheology / stress strain, measurement of hardness, softness, stickiness, firmness, springiness, chewiness, gumminess, cohesiveness, brittleness, relaxation, plasticity, consistency, elasticity, adhesiveness etc.

- Instrument Measuring Range: 0.1 to 100Kg-f
- Load Cell requirements: 5Kg-f, 50Kg-f
- Load Cell Accuracy : 0.5% or better
- Cross head speed range : 0.01 to 20mm/sec
- Speed Accuracy: 0.1% or better
- Speed Range: 0.01 to 40mm / second
- There should be provision for factory and user calibration of force.
- Firmware updates: via PC
- PC Interface: USB
- Instrument shall have double support lead screws arrangements on frame.
- Instrument shall have the safety mechanism like emergency stop, cross head limit screws and automatic stop on overload conditions.
- Instrument shall have both standalone operation as well interfaced with computer.
- Software for real time data analysis and post run processing shall be supplied.
- Compatible PC and Printer shall be supplied with instrument
- Bottom fixtures (sample holders) and measuring probes for Compression test (P35), breaking test (three point bend rig), Shear test (Warner Bratzler), TPA Analysis (P75)
- Platform for the samples.