

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/52274/2019 Date: 16/DEC/2019

VAPOUR SORPTION ANALYZER

etender: For submitting tenders, login to https://etenders.gov.in/eprocure/app

LAST DATE:

1) TENDER SUBMISSION

: AT 15.00 HRS (IST) ON 02-JAN-2020

2) TENDER OPENING(Technical Bids Only): AT 15.00 HRS(IST) ON 03-JAN-2020

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, Yadavgiri P.O. Mysuru -570020 Tel: 0821-2515440/2515447

> Fax: 0821-2515440 e-mail: cosp@cftri.res.in 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 (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):** INR 1,00,000/- [INR One Lakh Only].
- 4. **Performance Security:** Ten Percent (10%) of the Contract Value.
- 5. Pre-Bid Conference [PBC]: Pre-Bid Conference on December 23, 2019 at 16.00 Hrs (IST) in Office of the Controller of Stores & Purchase, CSIR-CFTRI, Mysuru.

Prospective bidders are requested to submit their clarifications, questions, queries if any, in writing, so as to reach the office of the Controller of Stores & Purchase latest by December 19, 2019 for deliberations.

The amendments/clarifications if any, to the Bidding Documents pursuant to the Pre-Bid Conference would be updated in the CPP Portal against this tender and also hosted on the Website of CSIR-CFTRI. All prospective bidders are required to take cognizance of the Proceedings of the Pre-Bid Conference [PBC] and submitting their bids accordingly.

- 6. Integrity Pact 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:

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:

- (i) On Shipment: 90 % (Ninety percent) of the Contract Price of the Goods shipped shall be paid through Sight Draft/Irrevocable Letter of Credit opened in favor of the Supplier upon submission of documents specified in GCC/SCC.
- (ii) On Acceptance: 10 % (Ten percent) of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods and successful installation & commissioning upon submission of claim supported by the acceptance certificate issued by the Purchaser along with the Performance Security for 10% of the Contract Value.

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 from the FOB/FCA value.

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 upon receipt of the Goods, receipt of Performance Security for 10% of the Contract Value, submission of the documents specified in GCC/SCC and the acceptance certificate issued by the Purchaser.

Note:

All payments due under the Contract shall be paid after deduction of statutory levies at source (TDS, Income Tax etc.), wherever applicable.

TECHNICAL SPECIFICATION FOR VAPOUR SORPTION ANALYZER (Adsorption & Desorption)

- Dynamic vapour sorption/Vacuum Volumetric system to study the moisture adsorption and desorption properties of materials such as food, packaging materials etc.
- The ultra-sensitive balance for determining weight changes.
- Sample weight: 1-5g
- Weighing accuracy: ±0.1%
- Sensitivity: <0.1µg
- Temperature Range: 10°C to 60°C
- Temperature Accuracy: ±0.1°C
- Relative Humidity Range: 3% to 95% RH
- Relative Humidity Accuracy: ±0.5% RH
- Relative Humidity Repeatability: ±0.4% RH
- Relative Pressure Range: 0.05 to 0.995 (p/po)
- The system shall have humidity sensors located near the sample and reference which provide a continuous direct indication of the humidity achieved at those locations.
- The data analysis software associated with the instrument shall provide the ability to generate all common **sorption analysis plots** (e.g, isotherms, isohumes), to analyze the date using common models like GAB and BET, as well as the ability to export data files to third party analysis and report/display software like Microsoft Word, Excel, and Power Point.

Other Requirements:

- 1. Should mention the pre-installation requirements.
- 2. Copy of the system manual should be provided in CD/USB stick form and one hard copy.
- 3. Standard Operating Procedure (SOP) of the equipment shall be provided in detail.
- 4. Vendor should provide Dos & Don'ts for the instrument.