



सीएसआईआर-केंद्रीय खाद्य प्रौद्योगिक अनुसंधान संस्थान
CSIR- CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE
मैसूरु / MYSURU-570 020, भारत / INDIA

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

सं. /No. CFTRI /74234/2022

दिनांक / Date: 14th June 2022

NOTICE INVITING TENDER

क्रम सं. Sl. No.	निविदा संदर्भ Tender Reference	विवरण / Description
1	CFTRI/74234/2022	Fats and Oil Modification Reactor system

1. Director, CSIR-CFTRI, Mysuru invites tenders for supply, installation, commissioning and satisfactory demonstration of Fats and Oil Modification system
2. Last date for submission of Tender is 2.00 P.M. (IST) on 5th/July/ 2022 on line in etenders.gov.in.
3. Technical Bid Opening on line in e-tender portal at 2.30P.M on 6th/July/ 2022
4. EMD: Nil, Bid Security Declaration Form (As per Annexure-4 must be uploaded along with technical bid)
5. Bidder has to submit Non-applicability of exclusion form restrictions under Rule 144(xi) of GFR-2017 (Format enclosed with tender documents)
6. This tender is open for Purchase Preference to Make in India and MSME, Bidder must upload class I/class II self-certification Format along with Technical Bid.

हस्ता./Sd/-

अनुभाग अधिकारी (भंडार एवं क्रय)

Section Officer (Stores & Purchase)

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CRITICAL DATE SHEET

CRITICAL DATE SHEET:

Tender Ref/No. CFTRI/74234/2022

Sl.No.	Stage	Date & Time
1	Publish Date & Time	14/06/2022 @ 05.00p.m.
2	Document Download Start Date & Time	14/06/2022 @ 05.00p.m.
3	Bid submission Start Date & Time	22/06/2022 @ 5.30p.m.
4	Bid submission End Date & Time	05/07/2022 @ 2.00p.m.
5	Bid Opening Date & Time	06/07/2022 @ 2.30p.m.

REACTOR SYSTEM FOR VEGETABLE OIL

S.No	Component	Specifications
1	Reactor vessel	<ul style="list-style-type: none"> • Borosilicate glass: Suitable for chemical and enzymatic reactions • Vessel volume range: 1000-2000 ml • Useable volume range: 100-1000 ml
2	Integrated stirrer	<ul style="list-style-type: none"> • Suitable for both low and high viscosity samples (100000 mPas) • Speed range: 50 to 150 rpm with maximum deviation ± 5 rpm • Speed increment/adjustment: 1 rpm steps
3	Integrated Heating temperature	<ul style="list-style-type: none"> • Vessel temperature range: 60 to 180 °C with sensitivity ± 1 C/K • Temperature sensor
4	Integrated Weighing option	<ul style="list-style-type: none"> • Online weighing range: 500 - 2000 g with sensitivity ± 1 g
5	Integrated pH option	<ul style="list-style-type: none"> • pH range : 3 - 10 pH with sensitivity ± 0.1 • pH sensor
6	Integrated vacuum pump controlling system	<ul style="list-style-type: none"> • Dry 4-chamber membrane vacuum pump, • Pump rate (50/60Hz): min 1.2 m³/h, • Measurement (absolute) and control range: 1 - 1030 mbar with ± 1 mbar • Noise at low pressure: 54 dB(A) or lesser, • Integrated vacuum controller with wireless controller • Boiling point detection, Emission condenser, and Solvent library to be included • Condensate trap • Vacuum sensor
7	Integrated temperature controlling circulating water bath system	<ul style="list-style-type: none"> • Operating temperature: -10 °C to 70 °C with sensitivity ± 0.1 C/K • Filling volume of 1 - 3.5 L, • Flow rate of min 15 L/min, • Should be suitable for easily maintain/clean with a particle trap/mesh filter, • Filling level indicator reservoir.
8	Viscosity measurement	<ul style="list-style-type: none"> • Viscosity Measuring Range: 6000 Pas with accuracy ± 1 % and repeatability ± 0.2 % • Rotation speed range: 0.01 - 180 rpm with accuracy ± 0.01 rpm. • Continuous operation time range: 1 min – 100 hours or better. • Basic container volume: 100- 600 ml

		<ul style="list-style-type: none">• Suitable adaptor for low volume measurement.• Option for USB interface is needed.• Appropriate software enables the automation of viscometers for analysis with calibration option
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Mandatory scope of the instruments

The proposed instrument is required for edible oil processing. The above-mentioned specifications are mandatory for the research and development activities. The reactor system should be suitable for food/dietary/pharmaceutical applications. The reactor vessel should be suitable for enzymatic and non-enzymatic applications. The mandatory options are integrated stirrer, heating, weighing, pH, and temperature monitoring with the vacuum control system. Further, the option for viscosity measurement and the system should have compatibility for self, USB interface and a wireless interface during the operation. Safety cutoff features are mandatory. All the reactor component from the single manufacturers is preferred.

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.res.in [Path: Home page → Tenders → Standard Tender Document (Scrolling Text)] constitute as an integral part of this tender.
2. Bidders should submit their Financial Bid in the format provided (Price Schedule Format/BOQ) and same has to be uploaded in the above etender.gov.in. It is mandatory for all the bidders to upload duly filled Price Schedule Format/BOQ 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 the Price Schedule Format/BOQ.
3. Please note that CSIR-CFTRI, Mysore is registered with the Department of Scientific and Industrial Research (DSIR) for purpose of availing GST @5% concessional rate as per Central Tax(Rate)/Integrated Tax(Rate) in terms of Notification No. 45/2017-Central Tax (Rate)/No. 47/2017- Integrated (Rate) Dt. 14-11-2017. You are advised to quote accordingly.
4. **EMD: NIL, Bid Security Declaration(BSD) Form (Annexure-4) must be uploaded along with technical bid.**
5. **Performance Security:** The supplier shall furnish Performance Security of **3% of the contract value** valid for warranty period of minimum one year + additional 2 months after the warranty for this tender.
6. **Integrity Pact** is not applicable for this tender.
7. **Warranty:** One year minimum from the date of supply, installation & Commissioning, demonstration and acceptance by the Purchaser.
8. **Delivery Period:** Delivery should be effected within 4-6 weeks from the date of issue of Purchase Order.
9. **Terms of Payment:** The method and conditions of payment to be made to the supplier under this Contract shall be as follows:
Payment for Goods and Services supplied from India:
Payment for Goods and Services supplied from within India shall be made in Indian Rupees [INR] only as follows:
On Delivery, Installation & Commissioning, Demonstration and Acceptance:
100 % (Hundred Percent) of the Contract Price shall be paid on Delivery of the Goods, Installation & Commissioning, Demonstration and Satisfactory Acceptance of Items and Submission of 3% PBG of Contract value /Invoice value valid for warranty period + 2 additional months.
10. **As per Govt. of India procurement policies,**
 - a. The purchaser intends to give purchase preference to local suppliers. There is a restriction on the eligibility of the foreign suppliers/their Indian agents for item with estimated value up to 200 Crores,

as per instruction issued by the Govt. of India from time to time in this regard.

b. The procuring entity intends to give purchase preference to products/goods manufactured by micro, small & medium enterprises. “Local supplier” means a supplier or service provider whose product or service offered for procurement meets the minimum local content as prescribed in DIPP Order No.P45021/2/2017-PP (BE-II) dated 28th May, 2018 or by the competent Ministries/Departments in pursuance of this order. As amended from time to time please also refer to Govt. of India (GOI) Ministry of Commerce & Industry, Department of Promotion of Industry & Internal Trade (DPIIT) Notification no. P45021/2/2017-PP (BE-II) dt. 04.06.2020 & other orders issued by the Govt. of India on “Make in India” from time to time for reference and further details.

“Local content” means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the items procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

“Class I-Local Supplier”- means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more that 50%, as defined under the said GoI, DIPT order dt. 04.06.2020 as amended from time to time.

“Class II-Local Supplier” means a supplier or service provided, whose goods, services or works offered for procurement, has local content more that 20% but less that 50%, as defined under the said GoI, DIPT order dt. 04.06.2020, as amended from time to time.

“Non-Local Supplier means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than or equal to 20% as defined under the said DIPT order dt. 04.06.2020 as amended from time to time.

Verification of local content

- a. The “Class-I local supplier”/ “Class-II local supplier” at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification (as per format attached below) that the item offered meets the local content requirement for “Class-I local supplier” / “Class-II local Supplier”, as the case may be. They shall also give details of the location(s) at which the local value addition is made.
- b. In case of procurement for a value in excess of Rs.10 crores, the “Class-I local suppliers” / “Class-II local suppliers” shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
- c. Decision on complaints relating to implementation of this Order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating to the procuring entity.

Bidders in their own interest must refer to GOI, DIPT order dt. 04.06.2020 & 16.09.2020, as amended from time to time & submit bid as extant Make in India. Submission of false or misleading declaration in this regard will make bidder concerned liable for punitive action, as per applicable policy and procedures.

11. Compliance of restrictions under Rule 144 (xi) of the GFR, 2017 related to restrictions on participation of Foreign Bidders and their Authorized Indian Agent/ Dealer

- a. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority.
- b. “Bidder (including the terms “tenderer”, consultant” or “service provider” in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated herein before, including any agency branch or office controlled by such person, participating in a procurement process.
- c. “Bidder from a country which shares a land border with India” for the purpose of this Order means: -
 - i. An entity incorporated, established or registered in such a country; or
 - ii. A subsidiary of an entity incorporated, established or registered in such a country; or
 - iii. An entity substantially controlled through entities incorporated, established or registered in such a country; or
 - iv. An entity whose beneficial owner is situated in such a country; or
 - v. An Indian (or other) agent of such an entity; or
 - vi. A natural person who is a citizen of such a country; or
 - vii. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.
- d. The beneficial owner for the purpose of (iii) above will be as under:**

1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation----

- a. “Controlling ownership interest” means ownership of or entitlement to more than twenty-five per cent of shares or capital or profits of the company;
 - b. “Control” shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders’ agreements or voting agreements.
1. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
 2. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such

association or body of individuals;

3. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
4. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

V. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

VI. The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

Bidders are requested to submit the prescribed Certificate as per Annexure enclosed below with local details of local value addition.

12. **Purchase Preference to Micro and Small Enterprises (MSEs) and Purchase Preference linked with MAKE IN INDIA Order shall be applicable subject to full compliance of Technical Specification and other terms and conditions of the RFQ / NIT and Contract, as per Government of India procurement policies.**

The purchaser intends to give purchase preference to:

- Make in India (as per DPIIT Order No. P-45021/2/2017-PP (BE-II) dated 16th September 2020 of Ministry of Commerce and Industry, Government of India. The preference to Public Procurement (Preference to Make in India) Order 2012 shall be subject to meeting technical specifications and full compliance of other terms and conditions of the RFQ / NIT and Contract.
- Products / goods manufactured by micro and small enterprises as per MSE order 2012 and any amendments thereon. If the bidder wants to avail the Purchase preferences, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the preview of public procurement policy for micro and small enterprises. In respect of bid for services, the bidder must be the service provider of the offered service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. The aforesaid Policy is meant for procurement of only goods produced and Services rendered by MSEs and not for any trading activities by them. An MSE unit will not get any Purchase Preference over any other MSE Unit.
- In case a bidder is eligible to seek benefit under Purchase PP- MAKE IN INDIA policy as well as PPP for MSE 2012, then the bidder should categorically seek benefits against only one of the two policies i.e. either MAKE IN INDIA OR MSE policy in BID FORM. The option once exercised cannot be modified subsequently.

Annexure-13

Format for declaration by the Bidder on Non-applicability of Exclusion from Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017 (on Letter Head of the bidder)

(Ref: - Govt. of India, Ministry of Finance, Dept. of Expenditure Order No. F.No.6/18/2019-PPD dated 23.07.2020 {Public Procurement No.1} and subsequent orders on the subject)

Ref. No: _____ Date _____

To,

The Director,
CSIR-CFTRI,
Cheluvamba Mansion
Opp. Railway Museum, KRS Road,
Mysuru-570020

Sir,

With reference to your Tender No. _____ dated _____ I/We hereby undertake that "I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I hereby certify that this bidder is not from such country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.

Thanking you,

Yours sincerely,

Signature (Name of the Authorized Signatory)

Company Seal

"[Where applicable, evidence of valid registration by the Competent Authority shall be attached]"

Annexure-14

Self-Certification Form for Minimum 50% or for Minimum 20% Local Content (on Letter Head)

1. Ref: DPIIT Order No.P-45021/2/2017-PP (BE-II) pref. to Make in India dt. 28th May, 2018 as amended vide OM dated 16th Sept 2020 or by the competent Ministries/Departments in pursuance of this order.
2. Ref: Rule 153 (iii) of General Financial Rule – GFR (GoI)

This is to certify that percentage of local content against CSIR-CFTRI tender no..... dt.....and our technical bid no..... dt.isPercent(In Words.....) class/local supplier.

Local content value added- (PERCENTAGE)	
State:	
District:	
Place:	

Thanking you,

Yours sincerely,

Signature (Name of the Authorized Signatory)

Company Seal

COVER DETAILS - DOCUMENTS TO BE UPLOADED:

Cover – 1: Pre-Qualification /Technical Bid (Techno-Commercial Details) for Fats and Oil Modification Reactor System Type .pdf)

1. Eligibility Criteria

- (a) Catalogue / Brochure of the Model Quoted along with a detailed description of the essential technical and performance characteristics of the goods being offered, with an item by-item commentary on the indented technical specification and documentary evidence of conformity of the goods and services to the bidding documents demonstrating substantial responsiveness of the goods being offered.
- (b) Two (2) latest Purchase Order Copies with price of reputed Govt. Research Institutes/Organisation or any other institutions for the supply & installation and satisfactory functioning of the similar/equivalent equipment to comply with minimum eligibility criteria.
 - (c) User list for the quoted model along with contact Numbers and email ID
 - (d) Warranty offered and delivery schedule.
 - (e) Land boarder declaration (Annexure-13) and Local Content Certification (Annexure-14) as per enclosed format
2. Bidder Information Form (Annexure – 1)
3. Manufacturer’s Authorization Form (Annexure – 2)
4. **Bid Security Declaration Form (Annexure-4)**
5. Performance Statement Form (Annexure – 5)
6. Deviation Statement Form (Annexure – 6)
7. Bidders must furnish a Compliance Statement of each and every required specification of our tender (Annexure-8)
 8. Documents establishing goods eligibility and conformity to bidding document; indicating the Indian Customs Tariff Number (ICT & HSN No.)
 9. Schedule of Requirements – (Refer Chapter 5 for Format)
 10. Declaration abiding by the Code of Integrity and No Conflict of Interest for Public procurement (Annexure – 11)

Cover – 2: Price Schedule Format/BOQ (Document Type. xl) BOQ uploaded in etenders.gov.in

Please refer to our Standard Tender’s Terms & Conditions uploaded in www.cftri.res.in under tender (Chapter-7) for above Format of Annexures. Any other supporting documents to avail preference/benefits as per Standard Tender Document must be uploaded with the Technical bid for technical qualification.