



Notice Inviting Tender

For

**Supply, Installation, Commissioning and
Satisfactory Demonstration of
Extruder with Film Blowing Unit**

CSIR – CFTRI, Mysore -570020



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 /74239/2022

दिनांक / Date 28 November 2022

INVITATION FOR BIDS / NOTICE INVITING TENDER

क्रम सं. Sl. No.	निविदा संदर्भ Tender Reference	विवरण / Description
1	CFTRI/74239/2022	Extruder with Film Blowing Unit

1. Director, CSIR-CFTRI, Mysuru invites tenders for supply, installation, commissioning and satisfactory demonstration of Extruder with Film Blowing Unit – 1Unit
2. Pre Bid conference (through video conferencing or by person) is scheduled on 05.12.2022 at 11.30a.m at CSIR-CFTRI, Mysore
3. Last date for submission of Tender is 2.00 P.M. (IST) on 20/Dec/2022 online in etenders.gov.in.
4. Technical Bid Opening on line in e-tender portal at 2.30P.M on 21/Dec/ 2022
5. Bid Security: Bid Security Declaration Form (As per Annexure-4 to be uploaded along with technical bid) in lieu of EMD or EMD of Rs. 1,10,000/-
6. Bidder has to submit Non-applicability of exclusion form restrictions under Rule 144(xi) of GFR-2017 (Format enclosed with tender documents)
7. 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/-

Controller of Stores & Purchase

Ph: +91- 821-2515440/2515447

E-mail: cosp@cftri.res.in, sosp@cftri.res.in

CRITICAL DATE SHEET

Tender Ref/No. CFTRI/74239/2022

Sl.No.	Stage	Date & Time
1	Publish Date & Time	28/11/2022 @ 5.00p.m.
2	Document Download Start Date & Time	28/11/2022 @ 5.00p.m.
3	Pre-bid Conference	05/12/2022 @ 11.30a.m
4	Bid submission Start Date & Time	09/12/2022 @ 5.00p.m.
5	Bid submission End Date & Time	20/12/2022 @ 2.00p.m.
6	Bid Opening Date & Time	21/12/2022 @ 2.30p.m.

Chapter-1

Detailed Technical Twin Screw Extruder Specification

Item		Description
1	Co rotating twin screw extruder	
	Extruder output	5kg/hour or better
	Application	Universal applications/ Biopolymers/HDPE/LDPE
	No of zones	above 08 zones including cooling and heating
	Barrel diameter	20mm-22mm
	Screw diameter	18 to 24mm
	Minor diameter	10 to 12 mm
	Do/Di	1.7 or higher
	L/D ratio	40-50
	Screw speed (Max)	1200 RPM
	barrel Liner – MOC	AISI A11 or better
	Screw element MOC	AISI A11 or better
	Solenoid valves	Danfoss /ASCO make/ reputed make
	AC motor	Suitable motor
	Motor drive Controller	AC variable speed drive
	Gear box	Ultra-high-torque gearbox
	Nominal operating torque	30 Nm/shaft or better
	Specific torque	7.3 Nm/cm ³ or better
	Coupling	Flexible
	Screw shaft	ultra-high-torque splined shaft
	Centre height	1100 mm minimum or above specified
	Barrel Heaters	Cartridge Type
2	Volumetric feeder	
	Maximum screw speed	140 rpm minimum or above specified
3	Air cooled conveyor belt	
	Type of conveyor belt	Mesh type
	Dimension	Length 6000 mm * width 300 mm * height 1000 mm (Adjustable 50 mm) required minimum or above specified in dimension
	Conveyor Structure	M S powder coated
	Belt Material	SS-304
	No of cooling system	no 6 & fan with adjustable mounting facility with adjustable distance
	working conveyor width	300mm
	Electrical AC motor	Motor gear box with VFD controller-
4	Side feeder	
	AC Motor	
	Motor Type	Geared motor
	Screw speed	600-800 rpm

5	Strand pelletizer	
	Feed width	30-35 mm
	pellet length	3-5 mm
	Strand speed	15-90 m/min (min/max)
	Max. No of strands	adjustable min 2 mm to 6mm or above
6	Film blowing unit	
	control panel & Gear box	Motor with VFD control
	Surface winder	Suitable surface winder
	Air Ring	Suitable air ring
	Screw Barrel	30mm (EN41B + nitrate plating)
7	PLC control system	Standard Control system
8	Devolatilizing system	
	Must have vacuum degassing system	Suitable AC Motor with Pre-separator.
9	Blender	5-10 L SS planetary Mixer blender
10	Compressor for Blowing	Suitable and branded compressor
11	Dies- 3 types	
	flat film, Strand die, chunks die	2 Bolt type die assembly consists of Die adaptor, swing out type Die head & a detachable die plate.
12	Essential Accessories	1. Anti-Vibration & Levelling Pads 2. Melt pressure indicator with retransmission facility for control interlock
13	Warranty	All machine and items must be covered with warranty period for one year minimum
14	Demo /Training	1 week

Chapter-2

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 will not issue any GST Concessional Rate Certificate Hence, you are advised to quote accordingly.

Chapter-3

Condition of Contract:

A. General Conditions of Contract (Refer our Standard terms and condition uploaded in our website)

B. Special Conditions of Contract:

- 1.** **Bid Security: Bid Security Declaration (BSD) Form (Annexure-4) to be uploaded along with technical bid in lieu of EMD or EMD: 1,10,000/- in the form of BG/Demand Draft/Banker's Cheque/FDR from any Indian scheduled bank**
- 2.** **Pre-Bid Conference (PBC):**

Pre-Bid Conference is scheduled on **05 Dec 2022 at 11.30a.m in the Office of the Stores & Purchase Department, CSIR-CFTRI, Mysore.** In the present prevailing condition of **COVID-19** Pandemic, PBC either will be held in **person or through Video Conference** (Link can be shared with bidders who wish to participate in PBC). Interested bidders must confirm participation in PBC by email in advance) or any other electronic communication mode. It is preferably advised that all prospective bidders may submit their clarifications/questions/queries if any in writing by email to cosp@cftri.res.in & sosp@cftri.res.in by **03 Dec 2022 upto 10.30am** so that any issue can be addressed during PBC scheduled on 05th Dec 2022. The amendments/clarifications if any, to the Bidding Documents pursuant to the Pre-Bid Conference would be uploaded in etenders.gov.in and same will also be hosted on the Website of CFTRI and all the Prospective Bidders are expected to take cognizance of the Proceedings of the Pre-Bid Conference before formulating and submitting their Bids.
- 3** **Performance Security:** The supplier shall furnish Performance Security of **3% of the contract value** valid for warranty period + additional 2 months after the warranty for this tender.
- 4** **Integrity Pact** is not applicable for this tender.
- 5** **Warranty:** Minimum one year from the date of supply, installation & Commissioning, demonstration and acceptance by the End User.

- 6 **Delivery Period:** Delivery should be effected within 4-6 weeks from the date of Purchase Order acceptance.
- 7 **Terms of Payment:** The method and conditions of payment to be made to the supplier under this Contract shall be as follows:
Inland Letter of Credit: The inland LC for 100% value of the contract shall be established & the payment shall be made in Indian Rupees, as follows:
- a) **80 % (Eighty Percent) of the Contract Price** shall be paid on Delivery of the Goods, Installation & Commissioning, Demonstration and Satisfactory Acceptance of Items & upon submission of the documents specified in GCC/SCC and the acceptance certificate issued by the End User.
 - b) **Balance 20 % payment** will be made to the supplier against submission of Performance Security @3% of total contract value valid for warranty period + additional 2 months issued by any Scheduled Commercial Bank in form of BG/Demand Draft/Banker's Cheque/FDR

8. 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.

9. 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.
2. 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;
 3. 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;

4. 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;
5. In case of a trust, the identification of beneficial owner(s) shall include identification of the
6. 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.

- 10. 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

Chapter-4

COVER DETAILS - DOCUMENTS TO BE UPLOADED:

Cover - 1: Pre-Qualification /Technical Bid (Techno-Commercial Details) for Procurement of Extruder with Film Blowing Unit (Document 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 border declaration (Annexure-13) and Local Content Certification (Annexure-14) as per enclosed format

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

Chapter-5

Schedule of requirement: (Refer our Standard terms and condition uploaded in our website)

Chapter-6

Contract Forms: (Refer our Standard terms and condition uploaded in our website)

Chapter-7

Other Standard Forms: (Refer our Standard terms and condition uploaded in our website)

1. Bidder Information Form (Annexure – 1)
2. Manufacturer's Authorization Form (Annexure – 2)
3. Bid Security Form (Annexure-3) / **Bid Security Declaration Form (Annexure-4)**
4. Performance Statement Form (Annexure – 5)
5. Deviation Statement Form (Annexure – 6)
6. Bidders must furnish a Compliance Statement of each and every required specification of our tender (Annexure-8)
7. Documents establishing goods eligibility and conformity to bidding document; indicating the Indian Customs Tariff Number (ICT & HSN No.)
8. Schedule of Requirements – (Refer Chapter 5 for Format)
9. Declaration abiding by the Code of Integrity and No Conflict of Interest for Public procurement (Annexure – 11)
10. Check List attached with this tender must be filled and uploaded along with technical bid. Non-submission or absence of any document mentioned above may result into disqualification from the tendering process.

For our any other Standard Forms and Standard Tender's Terms & Conditions please refer to our website www.cftri.res.in uploaded under "Tenders". Any other supporting documents to avail preference/benefits as per Standard Tender Document must be uploaded with the Technical bid for technical qualification.

CHECK LIST

Ref: Tender No. CFTRI/74239/2022 Dt.28th November, 2022 for Extruder with Film Blowing Unit

Sl.No.	Compliance Description/Terms & Conditions	Remarks Yes/No
1	Make/ Brand (s) offered along with supporting documents such as 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	
2	Any two purchase order copies for having executed of the similar nature of items to any Govt organization/Educational Institute with contact address/email id/phone no. etc.	
3	Delivery Period 4-6 weeks from the date of acceptance of P.O.: Specified the delivery date in the technical bid	
4	Validity Period of bid minimum 90 days from the date of opening of technical bid	
5	Warranty period: Confirm minimum 1 years comprehensive warranty from the date of supply, installation and acceptance by End User	
6	Payment Terms: Confirm our payment term mentioned in tender's Chapter -3, Sl. No. 7	
7	Manufacturer/ Bidder should upload following certificate along with the technical bid:	
	a) GST Registration certificate	
	b) PAN No.	
8	Bank details for e-payment such as a) Name of the Vendor/Account holder, b) Name of the Bank and Branch, c) Bank Account No., d) Type of Account and e) Address of the Branch	
9	Agree for delivery up to Stores, CSIR-CFTRI Mysore	
10	This tender is open for Purchase Preference to Make in India and MSME and in order to claim the preference requisite supporting document must be uploaded in the CPP portal	
11	Bidder Information Form (Annexure – 1)	
12	Manufacturer's Authorization Form (Annexure – 2) –	
13	Bid Security Form (Annexure-3) / Bid Security Declaration Form (Annexure-4):	
14	Performance Statement Form (Annexure – 5)	
15	Deviation Statement Form (Annexure – 6)	
16	Bidders must furnish a Compliance Statement of each and every required specification of our tender (Annexure-8)	
17	Documents establishing goods eligibility and conformity to bidding document; indicating the Indian Customs Tariff Number (ICT & HSN No.)	
18	Schedule of Requirements – (Refer Chapter 5 for Format)	
19	Declaration abiding by the Code of Integrity and No Conflict of Interest for Public procurement (Annexure – 11)	
20	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) (Annexure – 13)	
21	Certification form for Local Content (Annexure – 14)	

Authorised persons seal & signature

Date:

Place: