



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 /74194/2020

दिनांक / Date: 04th June 2020

NOTICE INVITING TENDER

क्रम सं. Sl. No.	निविदा संदर्भ Tender Reference	विवरण / Description
1	CFTRI/74194/2020	Ready to Eat/Cook Millet based product preparation, Packaging and Processing Line – 1No.

1. Director, CSIR-CFTRI, Mysuru invites tenders for supply, installation & commissioning and satisfactory demonstration of Ready to Eat/Cook Millet based product preparation, Packaging and Processing Line – 1No.
2. **Pre Bid conference is scheduled on 17.06.2020 in Person/Video Conference at 10.30a.m at CSIR-CFTRI, Mysore (Refer Sl. No. 5 of instruction to bidders)**
3. Last date for submission of Tender is 2.00 P.M. (IST) on 29 /June/ 2020 on line in etenders.gov.in.
4. Bid Security(EMD) Rs. 100,000.00
5. Technical Bid Opening on line in etender portal at 2.30 P.M(IST) on 30/June/2020

हस्ता./Sd/-

अनुभाग अधिकारी (भंडार एवं क्रय)

Section Officer (Stores & Purchase)

Ph: +91- 821-2515440/2515447

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

CRITICAL DATE SHEET

Tender Ref/No. CFTRI/74194/2020

Sl. No.	Stage	Date & Time
1	Publish Date & Time	04/06/2020 @ 5.30p.m.
2	Document Download Start Date & Time	04/06/2020 @ 5.30p.m.
3	Pre Bid Conference	17/06/2020 @ 10.30a.m
3	Bid submission Start Date & Time	20/06/2020 @ 10.00a.m.
4	Bid submission End Date & Time	29/06/2020 @ 2.00p.m.
5	Bid Opening Date & Time	30/06/2020 @ 2.30p.m.

TENTATIVE TIME SCHEDULE OF PROCUREMENT PLANNING:

Sl.No.	Stage Tentative Frame Time	Date & Time
1	Date of Bid opening	30/06/2020
2	Date of Completion of Techno-Commercial Bid evaluation	30/06/2020+ 15 Days
3	Date of Communication of Rejection of Bids	30/06/2020+ 25 Days
4	Date of Receipt of Contest, if any, from Bidders	30/06/2020+ 35 Days
5	Notification of Award	30/06/2020+ 50 Days

TECHNICAL SPECIFICATION IN DETAIL

Ready to Eat/Ready to Cook millet based product preparation, packaging and processing line – A semi-automatic line.

A pilot scale RTE/RTC millet based value added products preparation, packaging and processing line has to be established at CSIR-CFTRI, Mysore.

The line include LPG cooking top, steam jacketed kettles, walk in coolers, deep freezers and processing line include Pouch sealer, can seamer, Horizontal retort etc. The capacity of the plant is 100 kg/batch. The plant will be established in an area of about 100 M² shed. The major equipment required in the plant and the specifications are given below.

Sl. No.	Name of the Equipment	Broad Specifications	Quantity required (Numbers)
1	Heat sealer	Type: Pneumatic type heavy duty heat sealer Power: 200VA Voltage: 220Vac/440Vac Jaw : 2 Nos. Sealing: Single band of 8-10mm Length: 350 mm Air: 100 LPM Operation: Foot Switch Cooling: Forced water Indication: power-on, cycle-on, seal-on	1
2	Compressor for heat sealer	Power: 3hp Capacity: 350LPM at 8 kg/sq.cm, receiver tank: 500 litres	1
3	Compressor for retort operation	Power : 3 Hp Capacity: 350LPM at 6kg/sq.cm, receiver tank: 2500 litres	1
4	Retort	Horizontal pilot scale retort . Complete specification is given in the annexure-1	1
5	Deep freezer	500 litres capacity, horizontal type with hard lid, -20°C temperature, 2.9 kwh/24hr	1
6	Frying system for oil frying of vegetables, meat and spices	30 L capacity	1
7	Digital platform balance	Range 0-300 kg with 50 grams accuracy	1
8	Walk in coolers	Capacity 1800 litres, temp – 2 to 4 °c, SS construction with 4 doors	1
9	Steam jacketed kettles	50 litres capacity, All SS	2
10	Steam jacketed kettles with stirrer	50 litres capacity with motorized stirrer, all SS	2
11	Centrifugal pump	For pumping water from the retort to the tank, complete with motor and	1

		starter. Shall pump 2000L/hr with 2HP motor	
12	LPG Cooking Top	4 burner heavy duty SS make cooking top with auto ignition	1
13	Can Seamer	Seamer with chucks for seaming different size cans – A2-1/2, A-10, A1 Tall etc.	1
14	Cooling tank	SS- 304 grade for cooling the processed cans/pouches suitable to cool 100 kg product/batch (To immerse 350 pouches of 300 cc capacity after processing)	1
15	Retortable Cup/Tray sealer	Table top Speed 300 to 400 cups per hour Automatic Sealing & Cutting Variable heater control S S Construction Digital Counter Suitable for printed or plain film Inbuilt option for Auto or manual mode Emergency Stop Switch Cup size: custom size	2
16	Filler for liquid and semisolid products	Semiautomatic made of SS 316 Speed: Min of 20-40 pouches/cans/cups per minute Should be able to fill masala pastes, porridge, creams etc. and other liquid beverages. Filling range: 50-300 g	1
17	Non contact inkjet printer for printing product information on packages	Suitable to print on retortable packaging materials like metal and plastic surface. Should be able to dry within 2-5 seconds and with stand retortable temperature.	1

ANNEXURE-1 – Complete retort specifications

Complete retort specifications

Specifications for Pilot Scale Retort Sterilizer

Pilot Scale Retort Sterilizer for Different Packaging Containers- Glass bottles/Jars, Metal Containers, Plastic bottles/Jars and Retort pouches (It can be a multi mode – Steam/steam-air/water spraying or water immersion)

- Effective Volume: 1-1.2 m³ (1 M dia x 1.5M Length) should hold 100 pouches of 300 cc capacity pouches.
- Number of crates – 5-6 Numbers (Suitable for all types of containers and made of SS 304 grade) – 2 sets of crates to be provide along with the trolleys
- Design Temperature: 145°C
- Test Pressure- 0.40 Mpa

- Design Pressure – 0.35 Mpa
- The sterilizer should have a built in boiler for steam generation
- Should have steam inlet, Air Inlet, Water inlet, Vent, Drain valves
- Micro processor based automated process controller for parameters such as temperature, pressure, time and process lethality (F_0)
- Digital and Analog temperature and pressure display
- Fill height gauge
- MIG thermos meter mounted in the thermos well
- Provision for insertion of thermocouples for conducting heat penetration studies
- Material of construction – SS 306L or higher grade for body, Valves and piping
- Electrical Supply – 440 V, 50 Hz
- Include tool kit, Manual

Spares

- 1 set of Electrical coil
- 2 set of Door Gasket
- Any other vital spares

Preferred brands: DTS, Allpax, JBT, Lagarde or any brand with USFDA compliance

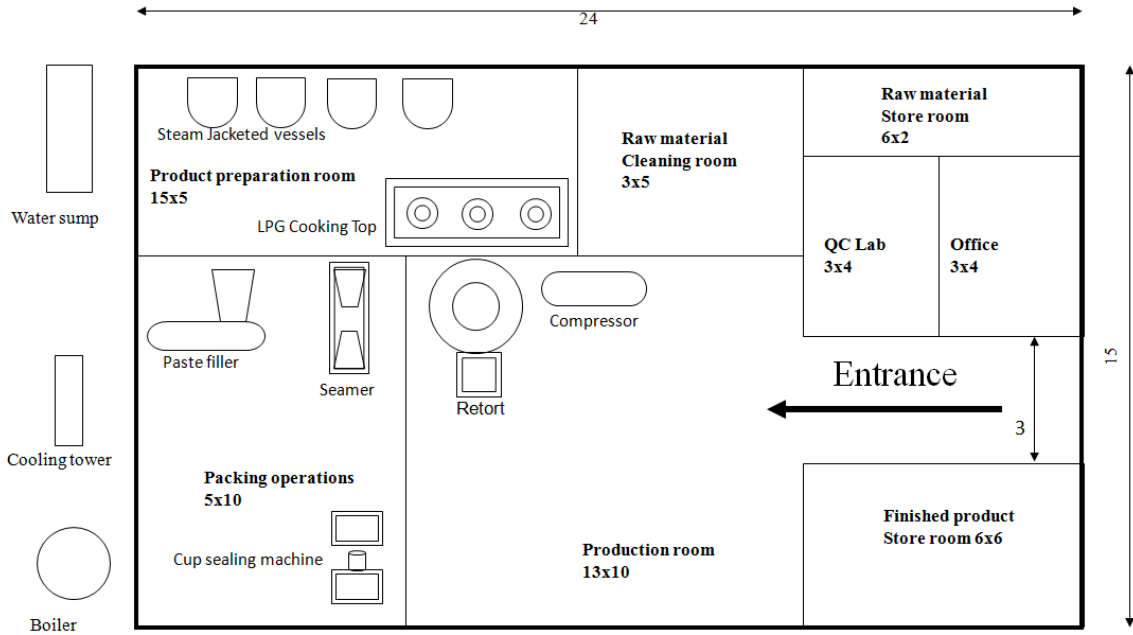
The retort should also include

Cooling water tower suitable for recirculation of cooling water used in retorting (FRP type)

Include All piping for steam line, water line, compressor line and cooling tower

Warranty:

2 Years from the date of installation



Plant Layout for RTE Millet based products

All Dimensions in M
Sketch not to dimensions

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. Bid Security (EMD) is **Rs. 100,000.00 (Rupees one lakhs only)** for this tender either by DD/BG from Scheduled Commercial Banks or **Bid Security Declaration(BSD)** Form (Annexure-4).
5. **Pre-Bid Conference (PBC):**
Pre-Bid Conference is scheduled on **17th June 2020 at 10.30 a.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 sosp@cftri.res.in & cosp@cftri.res.in by **11th June 2020** so that any issue can be addressed during PBC scheduled on 17th June 2020. 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.

6. **Performance Security:** The supplier shall furnish Performance Security of **10% of the contract value** valid for warranty period of one year + additional 2 months after the warranty for this tender.
7. **Integrity Pact** is not applicable for this tender.
8. **Warranty:** Two year from the date of supply, installation & Commissioning, demonstration and acceptance by the Purchaser.
9. **Delivery Period:** Delivery should be effected within 6-8 weeks from the date of issue of Purchase Order.
10. **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:

A. On Delivery, Installation & Commissioning, Demonstration and Acceptance:

- a) 90 % (Ninety 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 Purchaser.
- b) Balance 10% payment will be made to the supplier against submission of Performance Security i.e 10% of Contract value valid for warranty period + additional 2 months issued by Scheduled Commercial Bank.

or

B. Inland Letter of Credit: The inland L/C will be confirmed at the suppliers cost, if requested specifically by the supplier. All bank charges shall be to the account of the beneficiary i.e. Supplier. If L/C is requested to be extended/ reinstated for reasons not attributable to the supplier, charges 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. The inland LC for 100% value of the contract shall be established. The payment shall be made in Indian

Rupees, as follows:

(a) 90 % (Ninety 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 Purchaser

(b) Balance 10% payment will be made to the supplier against submission of Performance Security i.e 10% of Contract value valid for warranty period + additional 2 months issued by Commercial Scheduled Bank.

COVER DETAILS - DOCUMENTS TO BE UPLOADED:

Cover - 1: PreQual/Technical Bid (Techno-Commercial Details) for Procurement of Ready to Eat/Cook Millet based product preparation, Packaging and Processing Line (Document Type .pdf)

- 1.(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.
2. Bidder Information Form (Annexure - 1)
3. Manufacturer's Authorization Form (Annexure - 2)
4. Bid Security Form (Annexure-3) / 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.