



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 /74180/2019

दिनांक / Date: 13th January 2020

NOTICE INVITING TENDER

| क्रम सं. Sl. No. | निविदा संदर्भ Tender Reference | विवरण / Description |
|---------------------|-----------------------------------|----------------------|
| 1 | CFTRI/74180/2019 | Extruder Line – 1No. |

1. Director, CSIR-CFTRI, Mysuru invites tenders for supply, installation & commissioning and satisfactory demonstration of Extruder Line – 1No.
2. **Pre Bid conference is scheduled on 22.01.2020 at 10.30a.m at CSIR-CFTRI, Mysore**
3. Last date for submission of Tender is 2.00 P.M. (IST) on 06 /February/ 2020 **on line in etender.gov.in.**
4. Bid Security(EMD) Rs. 200,000.00
5. Technical Bid Opening on line in etender portal at 2.30P.M(IST) on 07/February/2020

हस्ता./Sd/-

अनुभाग अधिकारी (भंडार एवं क्रय)

Section Officer (Stores & Purchase)

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CRITICAL DATE SHEET

CRITICAL DATE SHEET:

Tender Ref/No. A3/74180/2019

| Sl.No. | Stage | Date & Time |
|--------|-------------------------------------|------------------------------|
| 1 | Publish Date & Time | 13/01/2020 @ 5.00p.m. |
| 2 | Document Download Start Date & Time | 13/01/2020 @ 5.00p.m. |
| 3 | Pre Bid Conference | 22/01/2020 @ 10.30a.m |
| 3 | Bid submission Start Date & Time | 28/01/2020 @ 10.00a.m. |
| 4 | Bid submission End Date & Time | 06/02/2020 @ 2.00p.m. |
| 5 | Bid Opening Date & Time | 07/02/2020 @ 2.30p.m. |
| | | |

TENTATIVE TIME SCHEDULE OF PROCUREMENT PLANNING:

| Sl.No. | Stage Tentative Frame Time | Date & Time |
|--------|--|---------------------|
| 1 | Date of Bid opening | 07/02/2020 |
| 2 | Date of Completion of Techno-Commercial Bid evaluation | 07/02/2020+ 15 Days |
| 3 | Date of Communication of Rejection of Bids | 07/02/2020+ 25 Days |
| 4 | Date of Receipt of Contest, if any, from Bidders | 07/02/2020+ 35 Days |
| 5 | Notification of Award | 07/02/2020+ 50 Days |

EXTRUDER LINE

Technical Specification of Machinery

1. Single Screw Snack Extruder

- Product Capacity : 75-100 kg/h (Corn Curls)
- Main Geared Motor : 20-30 HP, with AC drive for varying the speed (Approx.)
- Feeder Motor : 1 HP, 440 VAC, 3-Phase, 50Hz with AC drive for varying the extruder speed
- Cutter Motor : 1 HP, 440 VAC, 3-Phase, 50Hz with AC drive for varying the cutter speed
- Temperature Controller: To indicate the barrel temperature of the Extruder / Product
- Material in contact with Food: Stainless Steel of SS-316 or SS-318 Quality
- The machine to have a pneumatic conveying system for transfer of corn curls
- Quantity : One No.
- The supply to have necessary electrical control panel with necessary electrical safety devices.

2. Hammer Mill (Fixed Hammer)

- Capacity : 100-200 kg/h
- Electric Motor : 10-12 kW / 3 Ph, 440 VAC / 50 Hz
- Material : SS-304 / 308
- Hammer Speed : 2880~3000 rpm
- To have interchangeable sieves of size ranging from 20 μ m-100 μ m
- The supply to have necessary electrical control panel with necessary electrical safety devices.

3. FF Seal Machine

- Range of capacity : 20–100 gm / Pouch
- Bag Size : 150 mm (W), 170 mm (L)
- Production Applications : Powder, Granules
- Sealing Type : 3 Sides sealing
- Roll Width : 200 mm
- Feeding System : Volumetric Cup Filler
- Machine Motor : 0.5 ~ 1 HP
- Electrical Supply : 220 VAC, Single Phase, 50 Hz
- Packing Film : Any heat sealable laminated roll
- Machine control Through : PLC (Programmable Logic control)
- Contact Part : SS-304

- Heater Load : 450 W (Approx.)
- Packing film pulling : Through electromagnetic clutch and brake
- Temperature Controller : PID Based
- Machine Speed : 40-60 Pouches per Min.
- Power Consumption : 2 ~ 3 Kw
- Machine Motion : Intermittent.
- Quantity : One No.
- The supply to have necessary electrical control panel with necessary electrical safety devices.

4. Spice Flavoring / Seasoning Drum

- Capacity : 75-100 kg/h
- Main motor : 1 HP / 3 Ph, 440 VA / 50Hz
- Drum size : 3.2 Meter (10.5Feet)
- Material : SS-304 / 308
- The Machine to be fit with variable speed drive for varying the speed of the Seasoning Drum.
- The supply to have necessary electrical control panel with necessary electrical safety devices.

5. Screw conveyor

- Capacity of discharge : 75-100 kg/h
- Diameter : 100 mm
- Length : 3.05 Meter (10 feet)
- Type : Inclined
- Material of contact : SS / 304 or 308 grade
- Power : 1 kW / 3 Ph, 440 VAC, 50 Hz
- Approx. Dimension (L*W*H) : 2050*1050*1250 mm
- Quantity : One No.
- The Machine to be fit with variable speed drive for varying the speed of the Seasoning Drum (for varying the feed rate).
- The supply to have necessary electrical control panel with necessary electrical safety devices.

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 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. 200,000.00** for this tender.
5. **Pre-Bid Conference:**
Pre-Bid Conference on January 22nd 2020 at 10.30Hrs (IST) in the Office of the Stores & Purchase Department, CSIR-CFTRI, Mysore.
Prospective bidders are requested to submit their clarifications, questions, queries if any, in writing, so as to reach the office of the Stores & Purchase Officer latest by 20th January 2019 for deliberations. The amendments/clarifications if any, to the Bidding Documents pursuant to the Pre-Bid Conference would be uploaded in etender.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:** One year from the date of supply, installation & Commissioning, demonstration and acceptance by the Purchaser.
9. **Delivery Period:** Delivery should be effected within 4 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] as follows:

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

11. COVER DETAILS - DOCUMENTS TO BE UPLOADED:

Cover – 1: PreQual/Technical (Techno-Commercial Details) for Procurement of Extruder Line (Document Type .pdf)

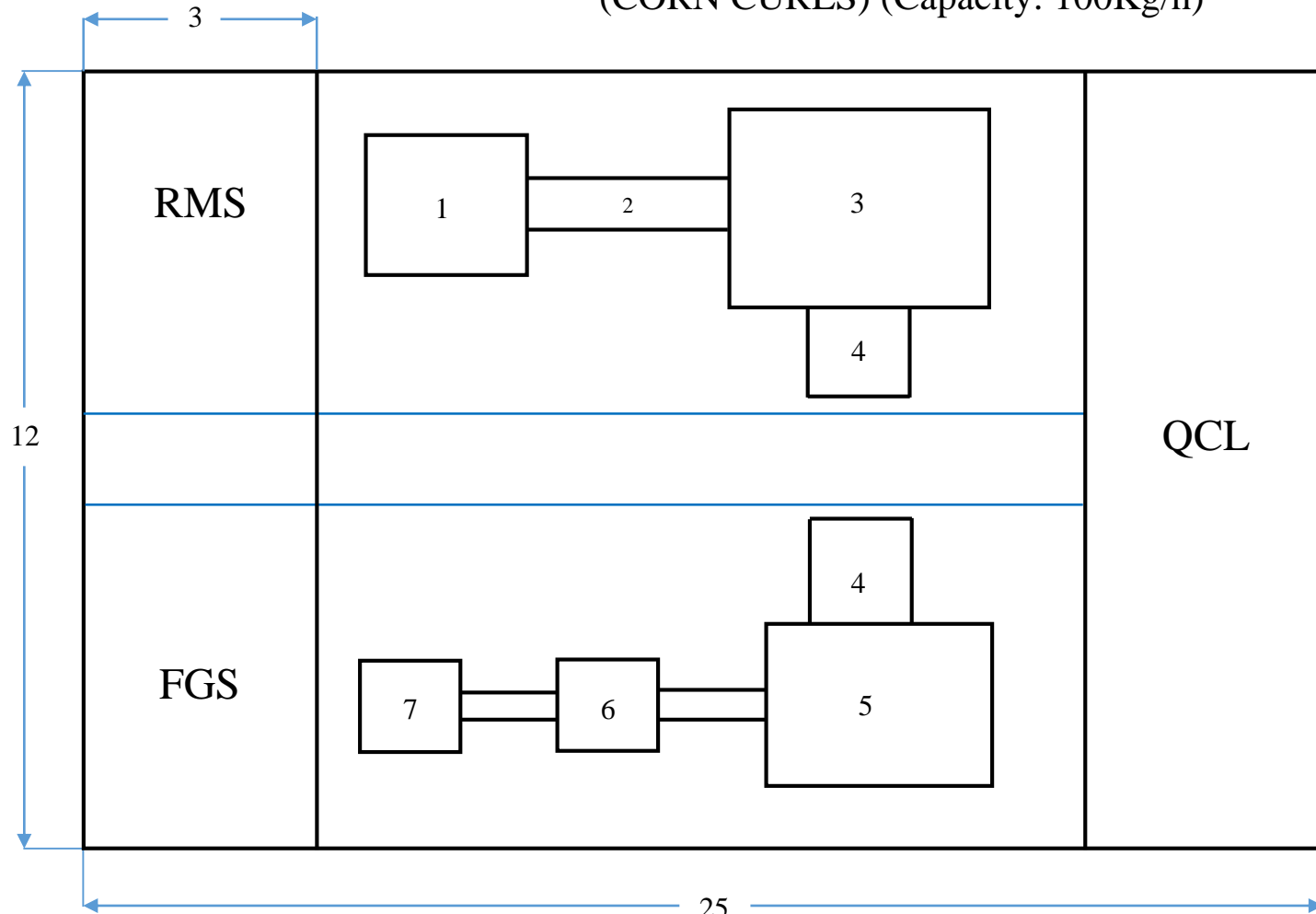
- 1.(a) Catalogue / Brochure of the Model Quoted along with a detailed description of the essential technical and performance characteristics of the goods being offered, with an item by-item commentary on the indented technical specification and documentary evidence of conformity of the goods and services 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 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 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.

PLANT-LAYOUT FOR EXTRUSION LINE FOR SNACK FOOD

(CORN CURLS) (Capacity: 100Kg/h)



| List of Machinery | |
|-------------------|------------------------|
| 1. | Grinder |
| 2. | Screw Elevator |
| 3. | Single Screw Extruder |
| 4. | Pneumatic Conveyor |
| 5. | Coating Equipment |
| 6. | Cooling Unit |
| 7. | Form Fill Seal machine |

Abbreviations:
 RMS – Raw Material Storage
 FGS – Food Goods Storage
 QCS – Quality Control Laboratory

| | |
|------------------|--|
| Name | Extrusion Line for Snack Food (Corn Curls) |
| Layout Dimension | Length*Width = 25*12 |

All Dimensions are in METERS.

