



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 /74195/2020

दिनांक / Date: 04th June 2020

NOTICE INVITING TENDER

क्रम सं. Sl. No.	निविदा संदर्भ Tender Reference	विवरण / Description
1	CFTRI/74195/2020	Millet Cleaning, Conditioning, Flour and Semolina Roller Milling Line and Fortification Unit – 1No.

1. Director, CSIR-CFTRI, Mysuru invites tenders for supply, installation & commissioning and satisfactory demonstration of Millet Cleaning, Conditioning, Flour and Semolina Roller Milling Line and Fortification Unit – 1No..
2. **Pre Bid conference is scheduled on 15.06.2020 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. 300,000.00
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)

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CRITICAL DATE SHEET

CRITICAL DATE SHEET:

Tender Ref/No. CFTRI/74195/2020

Sl.No.	Stage	Date & Time
1	Publish Date & Time	04/06/2020 @ 5.00p.m.
2	Document Download Start Date & Time	04/06/2020 @ 5.00p.m.
3	Pre Bid Conference	15/06/2020 @ 10.30a.m
3	Bid submission Start Date & Time	19/06/2020 @ 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

Specification of Machineries		
Sl No	Description of the Machine	Specifications
1	Intake Hopper	Intake hopper with coarse sieve and capacity of approximate 250 kg to hold the material. Slide gate for the capacity fixing. Bulk Density: 600 kg/m ³
2	Bucket Elevator: 5 Nos	Bucket elevator with top & bottom booth, belt made up of Nylon with geared motor, metal/plastic buckets, 4", RPM-100. Height of the elevator as per the design of layout. Motor: 2HP Capacity: 3000 kg/h
3	Magnet - 6 numbers	Permanent magnet with ease of removing for cleaning purpose without interrupting the flow. Dust tight closed unit. Online magnet. Magnet Strength: 2000 gauze (Minimum)
4	Size separator with aspirator attached	Metal construction. Oscillating sieve box with 2 decks of sieves, hinged inlet and built on discharge box supported in machine frame on rubber bush. Withdrawable wooden sieve frame covered with screen. Automatic sieve de-clogging by rubber balls. Drive with 2 vibro motors with adjustable throw and angle. Adjustable aspiration channel with air control valve and large inspection window. Aspiration channel having adjustable front glass with balancing spring for proper distribution of stock. With illumination. Adjustment scale for the proper adjustment monitoring. Intermediate separator with airlock to remove and check the impurities separated. Supply of extra frame with different sieves (4 sets) Connection to central aspiration. Vibro motor (2 Nos): 1 HP Capacity: 2000 kg/h
5	Destoner	With adjustable deck inclination and plexi glass with inspection window. Sieve box supported by rubber blocks. Withdrawable wooden sieve frame covered with steel screen. Connection to aspiration. With illumination. Access opening closed with rubber covers. Air regulating valve with vacuum indicator. Outlets equipped

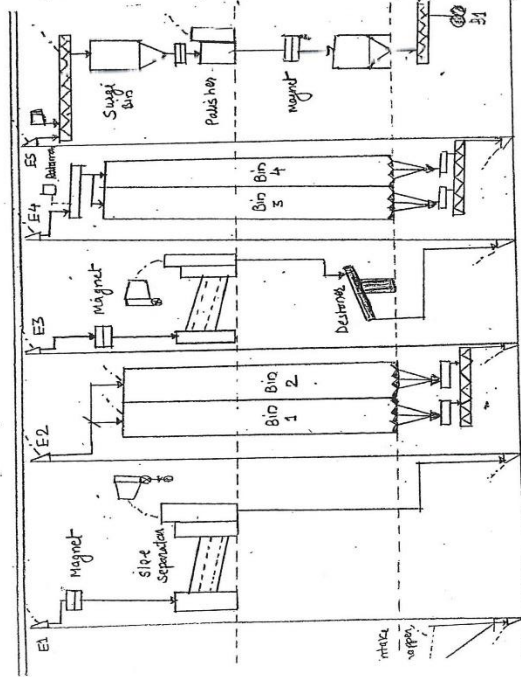
		<p>with rubber sleeves. Drive with vibro-motors with adjustable throw and angle. Medium pressure fan, cyclone and airlock.</p> <p>Vibro motor: 1HP Capacity: 2000 kg/h</p> <p>Fan HP :As per requirement and Air lock:1HP</p>
6	Screw conveyor: 3 Nos	<p>Trough made of 3 mm thick MS metal sheet. With hanger bearing at every 1.5 mts, with self-lubricating bearings. With geared motor.</p> <p>Length according to design of plant.</p> <p>Motor: 2 HP Capacity : 3000 kg/h</p>
7	Water Dosing unit with paddle type conveyor	<p>Water tank with water purifier system. Rotameter of water measurement upto 100 liter per hour, automatic sensor for the load check. Screw mixer (Paddle Type).</p>
8	<p>Grain silo- Flour numbers</p> <p>Two for raw grains and two for conditioned grains</p>	<p>SS fabrication, Round or square shape with multioutlets, discharging unit with aspiration with manual operated silo slide gate. High level sensor. 4 tons capacity each.</p> <p>Each with tube conveyor feeder along with frequency drives to control flow.</p> <p>Raw Grain Bulk Density: 600 kg/m³</p> <p>Condition Grain Bulk Density: 500 kg/m³</p>
9	Polisher with fan	<p>Abrasive polisher. Provision for adjusting the pearling degree as per requirement. Connection with aspiration. Heavy duty steel structure with motor. Cyclone and airlock. Grain pearling with upto 8% bran removal</p> <p>Capacity: 1000 kg/h</p> <p>Motor: As per requirement (HP)</p>
10	Surge bin	<p>With level Sensor, Inspection window, Multi outlets,</p> <p>Capacity: 250 kg</p> <p>Bulk Density: 500 kg/m³</p>
11	Common aspirator Fan + Reverse Jet Filter + Airlock	<p>Common aspiration fan for the cleaning section. All the machines including elevators, conveyors, raw grain bins, aspirators and other machines of cleaning section to be connected with the aspiration fan. Filter with filter bags, solenoid valve for cleaning the bags with sequential control and blasting. Electronic timer and airlock.</p> <p>Fan Size: As per the requirement Fan HP: As per the requirement</p>

12	Aspiration ducting as per requirement	Made of GI sheet including required bends, straight pipes, Y's, elbows, control valves etc.
12	Down Grade Pipes (Cleaning section)	Down grade system spouting pipes and accessories comprising: straight pipes, branch pipes, diving pipes, bend segments, inspection spouts, over flow drums, joint sealing clips, rubber cover etc.
13	Roller Mill – 3 Nos Three Break and Three Reduction Passages.	Automatic roller mill, 500 mm length and 250 mm diameter, two sided with feeding mechanism to feed the grains. Feed control system depending on the load, auto engage and disengage system Motor Power: As per requirement of each passage.
14	HP fan, Filter Pneumatic lift, Cyclone, Air lock	High Pressure fan with motor and Pneumatic ducting. Filter with filler bags, solenoid valve for cleaning the bags with sequential control and blasting. Electronic timer and airlock. Pneumatic accessories: Pick up, Lift, cyclone, airlocks, inspection glass, rubber pack. Motor Power: As per requirement Airlock 4 Nos: As per requirement
15.	Plan sifter	Having 8 sections and 16 sieves sin each section. Suitable to handle the load. Sieves with sieves cleaner. Complete with motor and drive, Supply of sieve clothing nylon and wire mesh for entire sifter Motor Power: As per requirement
16	Semolina Purifier	Triple deck, with vibro motor, air adjustment valves with separate MP fans, cyclone and air lock for semolina purifier. Purifier vibro motor HP: As per requirement Fan Motor: As per requirement
17	Packing spouts -9 Nos	Packing stands with belts and slide for opening and closing.
18	Aspiration Ducting	Made of SS sheet including required bends, straight pipes, Y's, elbows, controlled valves etc.
18	Down Grade Pipes (Milling Section)	Down grade system in SS, spouting pipes and accessories comprising: straight pipes, branched pipes, dividing pipes, bend segments,

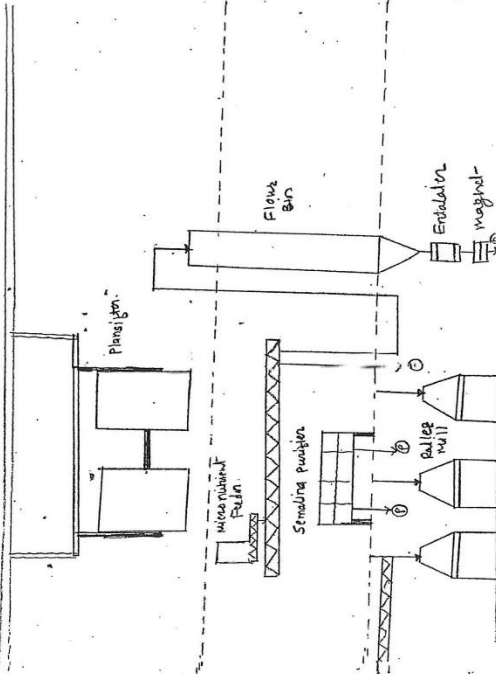
		inspection spouts, overflow drums, joint sealing clips, rubber cover etc.
19	Air Compressor	Multistage, reciprocating, V- Belt drive, arrangement with drive sheave and motor rails intake filter, wide and adjustable pressure switch (Auto cut-in and cut-off of compressor), pressure gauge, Auto drain valve, sub-micron fine filter, check valve, V-belts, belt guard, fly wheel, motor pulley, DOL starter etc. as a complete set ready to operate.
20	Micronutrient Feeder	Powder feeder with hopper and variable frequency drive to control the flow of output. Low level sensor. Hopper with vibro motor. Interlock system with flour conveyor. Bulk density: 500 kg/m ³
21	Flour Silo (2 Nos)	SS fabrication, Round or Square Shapes with vibro discharging unit with aspiration. High level sensor. 6 tons capacity each. Each tube with conveyor feeder along with frequency drives to control Flow. Each Capacity 3 Tons Bulk density: 500 kg/m ³
22	Entoleter	For the output of 1000 kg/h
	Other Supplies	
23	Electrical Panel	Set
24	Motors for the above equipment	All electrical motors along with other electricals should conform to BIS standards. 415 voltage, 3 phase, 50Hz frequency with AC supply. All drive system and moving parts must be protected with the guards for the safety of the operators.
25	Cable and accessories	Set
26	Iron and steel	As per requirement
		<ul style="list-style-type: none"> • General layout or the plant with all other accessories with details should be provided with quotation • Loading, Packing, Fright, Forwarding and Unloading at site • Transit Insurance of the equipments

27	Should Include	<ul style="list-style-type: none"> • Electrical works, control panel, cable ducting, panels and cables • Metal platforms in multi-level as per the design and layout requirements • Mechanical, Electrical and Site Fabrication • Mechanical and electrical erection charges • All kind of Iron, Steel and erection of Platform, Hoppers, Bins, Bin Covers, Railings, Stairs, Chutes, Ducts, Pipes, Stands, Any Erection And Commissioning Materials Like Sheets, Channels And Angles • Tools and consumables used at the Site or Erection • GST or any other tax • Any type of Civil Work required for installation including drilling and closing of holes, anchor fasteners and plumbing works. • Standardization and trial runs and of entire plant for few days
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Millet cleaning section



Millet milling section



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. 300,000.00 (Rupees Three 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 **15th 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 **10th June 2020** so that any issue can be addressed during PBC scheduled on 15th 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:** One 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 Millet Cleaning, Conditioning, Flour and Semolina Roller Milling Line and Fortification Unit - 1No. (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.