



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 /74196-A/2020

दिनांक / Date: 06<sup>th</sup> January 2021

**NOTICE INVITING TENDER**

क्रम सं. Sl. No.	निविदा संदर्भ Tender Reference	विवरण / Description
1	CFTRI/74196-A/2020	Ragi Milling Machineries – 1No.

1. Director, CSIR-CFTRI, Mysuru invites tenders for supply, installation & commissioning and satisfactory demonstration of Ragi Milling Machineries – 1No.
2. Last date for submission of Tender is 2.00 P.M. (IST) on 20 /January/ 2021 on line in etenders.gov.in.
3. Technical Bid Opening on line in e-tender portal at 2.30P.M(IST) on 21/January/2021
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)

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**CRITICAL DATE SHEET**

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**Tender Ref/No. CFTRI/74196-A/2020**

<b>Sl.No.</b>	<b>Stage</b>	<b>Date &amp; Time</b>
<b>1</b>	<b>Publish Date &amp; Time</b>	<b>07/01/2021 @ 12.30p.m.</b>
<b>2</b>	<b>Document Download Start Date &amp; Time</b>	<b>07/01/2021 @ 12.30p.m.</b>
<b>3</b>	<b>Bid submission Start Date &amp; Time</b>	<b>11/01/2021 @ 5.30p.m.</b>
<b>4</b>	<b>Bid submission End Date &amp; Time</b>	<b>20/01/2021 @ 2.00p.m.</b>
<b>5</b>	<b>Bid Opening Date &amp; Time</b>	<b>21/01/2021 @ 2.30p.m.</b>

## Technical specifications for the Ragi Milling Machineries

Sl. No.	Item	Power Consumption	Quantity
1	<p><b>Cleaner, grader cum Destoner</b></p> <p>Pressure type/Vaccum type destoner equipped with complete dust control system and grading system for Ragi.</p> <p>All steel construction deck capable of handling 500kg of Ragi required for high-quality size separation, removal heavier impurities like stone, metal etc and aspiration of dry material such as leaves, straw and other foreign materials.</p> <p>The unit should have feed hopper equipped with magnetic roller and feed control gate for even distribution of material on screen surface, aspiration system at inlet point and grading system at outlet point.</p> <p>Provision to vary the deck vibration, airflow and speed; provision to vary machine conditions while the machine is in operation.</p> <p>1 set of the additional following size of sieves should be provide along with the machine:</p> <ul style="list-style-type: none"> <li>a) Sieve – 0.8 to 1.0 mm</li> <li>b) Sieve – 1.2 to 1.5 mm</li> <li>c) Sieve – 1.6 to 3.0mm</li> </ul> <p>The unit should be fitted with appropriate capacity continuous rated TEFC induction motor and starter of reputed make to run on 415V, 50Hz, 3 phase AC supply.</p> <p>Capacity: 500kg/h</p>		1
2	<p><b>In – hopper magnetic separator:</b></p> <p>Magnetic grids/ grates – round (200mm Ø) to catch Ferrous particle size of minimum of 30 µm and maximum of 10mm. The system should have 4 magnetic bar in extractor tube, with tube of Ø 25mm and bar Ø 23mm with 13,000 gauss (at 20°C) having a field strength (flux density) on magnetic bar (<math>\pm 10\%</math>) translating to field strength of 10,000 gauss on extractor tube. The extractor tube should be made out of SS AISI304. The circular grid (with cover) should have a diameter of 200 mm and height of 50mm. This circular magnet should be placed in the plant at each unit operation of grain processing.</p>		5
3	<p><b>Brushing unit</b></p> <p>All steel construction, brushing/Scarifier should designed to DE-gloom raw Ragi without damage. Upon entering the Brushing chamber, the seed is brushed against screen by the inside cylinder on which the Nylon brush is mounted. The system should DE-gloom raw Ragi in one operation. Brushing cylinder / screen should have a variable speed drive / mechanical drive pulley. The unit should have settling chamber &amp; Exhaust fan, adjustable air control facility and feed control hopper.</p>		1

	<p>1 set of the additional following type of Nylon brushes should be provide along with the machine:</p> <p>a) Soft b) Medium c) Hard</p> <p>The unit should be fitted with appropriate capacity continuous rated TEFC induction motor and starter of reputed make to run on 415V, 50Hz, 3 phase AC supply.</p> <p>Capacity: 500kg/h</p>		
4	<p><b>Engelburg Huller sheller</b></p> <p>Number 1 engelburg huller is required for DE-glooming raw Ragi without damage capable of handling 450-500Kg/h of Ragi</p> <p>The unit should be fitted with all necessary accessories like V-belt, shock absorbing anti-vibration mounts to make the frame vibration free and appropriate capacity continuous rated TEFC induction motor and starter of reputed make to run on 415V, 50Hz, 3 phase AC supply.</p>		1
5	<p><b>Continuous Vibro Fluidized bed dryer</b></p> <p>Continuous Vibratory fluid bed dryers Non-GMP type(Contact part only of AISI304 SS) is required for drying of Soaked/steamed Ragi. The hot air blowing through the grains mass should be in the range of 40° to 80°C and it should be possible to maintain the set temperature through digital systems. The vibrating deck should be mounted on springs and vibration should be delivered through vibratory motors having provision to control the degree of vibration to suit the process requirement. The following features should be in built into the system:</p> <ul style="list-style-type: none"> <li>• Control systems for adjusting vibration, fluidization (air flow) and residence time (thus product moisture)</li> <li>• System should ensure uniform product temperature across the depth and length of fluidization</li> <li>• Control system to ensure only cooling of grains (without heating)</li> <li>• Explosion proof design</li> <li>• CIP (Cleaning In Place) option for good sanitation</li> <li>• Source of heat for hot air could be electrical, diesel, thermic fluid, LPG)</li> <li>• Cyclone separators with bag filters and scrubbers to ensure zero pollution into the process area</li> </ul> <p>The system should have all necessary options to customize the thermal processing of grains with respect to temperature and air flow through grain mass with a view to maximize efficiency of heat and mass transfer, thus assuring processing of product within the best time and temperature range for high quality output.</p> <p>The system should be fitted with all regulatory safety features. The electrical motors used in the system should have an efficiency of 80% and above. The system should be fitted with appropriate capacity motors of continuous rating and automatic starter, both of reputed make to run on 415V, 50Hz, 3 phase AC supply.</p> <p>Capacity - 500kg/h</p>		2
6	<p><b>Tray Dryer</b></p> <p>Electrically Tray dryer for drying of steam Ragi with holding capacity of 500 kg.</p>		1

	<p>Unit should be fitted with electric heaters and blower fans to ensure proper circulation and transfer of heat, proper system for temperature/airflow and controls to customize the thermal process and maximize the efficiency of heat transfer, assuring drying of the product within the best time and temperature range for high-quality output</p> <ul style="list-style-type: none"> <li>• Trays should be fabricated in Stainless Steel 304</li> <li>• Digital temperature controller cum timer</li> <li>• Interiors are protected with high temperature heat resist aluminium paint</li> <li>• Adjustable exhaust air intake, proper temperature uniformity throughout work chamber</li> <li>• Safety temperature controller is set to protect overshoot temperature</li> <li>• Adjustable louvers for balanced air flow</li> <li>• Explosion venting latches, static and dynamic blower balancing</li> <li>• Fast acting heating element ensuring rapid heat up</li> <li>• Gasket on door to prevent heat loss</li> </ul> <p>The unit should be fitted with suitable continuous rated TEFC induction electric motor and starter of reputed make to run on 415volts, 50Hz, 3 phase AC supply</p>		
7	<p><b>Horizontal emery disc grinder / abrasive disc grinder for grains</b></p> <p>Emery stone grinder / abrasive disc grinder for De-branning of ragi grain.</p> <p>The system should have the following features:</p> <ul style="list-style-type: none"> <li>• <u>Emery stone size =Dia30" without any grooves or feathering on the grinding surface</u></li> <li>• Vibrating feeder / vibrator hopper with control system to adjust the feed rate of grains being ground</li> <li>• Aspiration channel and dust collection with blower, cyclone, rotary valve and bag filters complete with drive motors and starters and all regulatory safety features</li> <li>• All drive systems should be concealed or provided safety guards for operators' safety</li> <li>• Unit should be equipped with automatically controlled gap adjustment system. Quote separately for system with this feature.</li> </ul> <p>The system should be fitted with all regulatory safety features. The electrical motors used in the system should have an efficiency of 80% and above. The system should be fitted with appropriate capacity motors of continuous rating and automatic starter, both of reputed make to run on 415V, 50Hz, 3 phase AC supply.</p>	30Hp	2 unit
8	<p><b>Cone polisher</b></p> <p>Semi-automatic polisher for De-branning of ragi grain with provision to vary machine speed/conditions while the machine is in operation.</p> <p>Abrasive cone polisher of 24" diameter with segmented and pre – cast abrasive segments to De-branned grains. The cone polisher should have Silicon Carbide abrasive of 18/20 grit size in equal proportion. The wire mesh screen cage should have an</p>		1

	<p>opening size of 0.6mm. One set of extra wire mesh screen and supporting cage to be supplied with wire mesh having an opening of 0.6mm. It should be possible to move the entire cone assembly vertically to adjust the clearance in the milling chamber. The system should have 5 rubber brakes in the milling chamber. The system should automatically discharge the separated bran through a pneumatic bran collection system comprising of blower, motor, drive system, cyclone and dust collection system to transport the bran outside the milling premises. The cone polisher should have a surge hopper with adjustable feed gate to accommodate material for 15 minutes of running at rated capacity.</p> <p>The system should be fitted with all regulatory safety features. The electrical motors used in the system should have an efficiency of 80% and above. The system should be fitted with appropriate capacity motors of continuous rating and automatic starter, both of reputed make to run on 415V, 50Hz, 3 phase AC supply.</p> <ul style="list-style-type: none"> <li>• Capacity 500kg/h</li> </ul>		
9	<p><b>Vertical abrasive type polisher/whitener</b></p> <p>Semi-automatic polisher for De-branning of ragi grain with provision to vary machine speed/conditions while the machine is in operation.</p> <p>Vertical abrasive type Whiteners with Motor &amp; a surge hopper with adjustable feed gate to accommodate material for 15 minutes of running at rated capacity.</p> <p>The Whiteners should be supplied with all accessories, air compressor, complete bran collection and discharge system, operator controls with differential manometer for precise control of chamber air pressure. Digital Ammeter to indicate motor load should also be provided. It should be possible to adjust the degree of polishing easily while the machine is in running condition. It should be supplied with one set of quickly interchangeable sieves of 0.6mm opening. The grit size of the Whitener should have a 18/20 grit size.</p> <p>Capacity: 500kg/h</p> <p>The unit should be fitted with suitable continuous rated TEFC induction electric motor and starter of reputed make to run on 415volts, 50Hz, 3 phase AC supply.</p>		1
10	<p><b>Plansifter</b></p> <p>The planetary sifter should sift and grade ragi flour into flour and semolina. The sieve should be imparted gyratory motion through a suitable motor and drive. The screen deck should be suitably balanced by a counterweight. The screen should be interchangeable and should be equipped with self-cleaning rubber balls to prevent choking and easily replaceable sieves (additional set of sieves for grading the different size of semolina &amp; flour (250µm) and screen tensioning system to be provided). The inside of the sifter box should be made out of AISI304 SS material. Hopper Outlets for the discharge of stock should be through plastic chutes within a gravity spouting scope. The material of the mesh should be Nylon or Polyamide grit gauze material with an opening size of 1405µm (12 mesh BSS), 1240µm (14 mesh BSS), and 1003µm (16 mesh BSS). An additional set of screens of the following sizes is also to be</p>		3

	<p>included in the scope of supply: 850 µm (18 mesh), 710 µm (22 mesh), 500µm (30 mesh) &amp; 250µm (60 mesh).</p> <p>The system should be fitted with all regulatory safety features. The electrical motors used in the system should have an efficiency of 80% and above. The system should be fitted with appropriate capacity motors of continuous rating and automatic starter, both of reputed make to run on 415V, 50Hz, 3 phase AC supply.</p> <ul style="list-style-type: none"> <li>• Capacity – 500kg/h</li> </ul>		
11	<p><b>Centralised Dust Collection &amp; Discharge System:</b></p> <p>A centralised dust collection and discharge system from each individual machinery across the mill and all bucket elevators to be provided. The pneumatic lines for dust collection from each of the machine is to be taken and the discharge system should be outside the building. At the exit of the pneumatic lines, the cyclone systems, air locks, blower and drive should be housed outside the building to ensure the entire building is dust free. All pneumatic lines from the individual machines should be installed at a height of 3m (10 feet) from the ground level to facilitate easy movement of staff in the plant area.</p> <p>The system should be fitted with all regulatory safety features. The electrical motors used in the system should have an efficiency of 80% and above. The system should be fitted with appropriate capacity motors of continuous rating and automatic starter, both of reputed make to run on 415V, 50Hz, 3 phase AC supply.</p> <p><b>Capacity: To suit the entire plant</b></p>		1
12	<p><b>Bucket elevator:</b></p> <p>Bucket elevators for vertical transport and discharge of grains from one machine's output to the inlet of the subsequent machine. The Head of the elevator should be made out of heavy – duty galvanized steel construction for clean discharge. Sectioned Head cover should be provided for easy service of internal components. The drive to the crowned pulley should be through a gear reducer with easily adjustable torque arm and should be noiseless in operation. The pulleys should be crowned and fitted with taper – lock bushings, non-slip rough top lagging for maximum traction. Sealed, high quality, high duty bearings having low maintenance and long life should be used. The belt should be made from high strength PVC belt for minimal stretch, impregnated solid carcass, pre – punched for easy bucket mounting. Buckets should be made out of high quality Polyethylene CC material with deep terminal design. Trunking should be of twin box construction made out of heavy gauge ASTM A-526 G90 galvanized steel, double seam, track welded for perfect alignment. Trunking should be provided with inspection sections for easy access to belt and buckets. The boot should be made out of heavy gauge galvanized steel having easy to adjust take – ups for the boot pulley. Clean – out doors that easily slide open to access the elevator boot floor for cleaning should be provided. The output pipe from elevator to the subsequent machine should be made out of AISI304 SS material. The standalone elevator should be supplied in accordance with</p>		8nos.

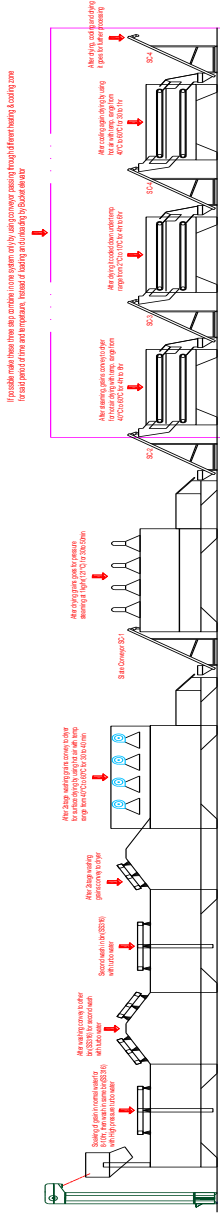
	<p>the requirements of the entire plant for continuous, trouble – free operation.</p> <p>The system should be fitted with all regulatory safety features. The electrical motors used in the system should have an efficiency of 80% and above. The system should be fitted with appropriate capacity motors of continuous rating and automatic starter, both of reputed make to run on 415V, 50Hz, 3 phase AC supply.</p> <p><b>Capacity: 1000 kg/h (1TPH)</b></p>		
13	<p><b>Continuous Weighing and Bag filling machine:</b></p> <p>A semi – automatic continuous Auger type packing machine for granular material like millet grains with a maximum filling capacity of 50kg with provision to pack into unit packs of 5kg, 10kg and 25kg bags. The sealing type should be automatic (centre and side seal), with all contact parts made out of Stainless steel, with an accuracy of filling of 0.6% or better. System should run on 3 phase, 415V, and 50Hz supply. The standalone system should be supplied complete with all accessories like processor based electronic weighing system with load cells, pneumatically/ electrically operated functions and operator interface (HMI). The unit should also have an in – built pouch/ bag counter. It should be able to handle a range of packing material like plastic, cloth, plastic woven sacks depending on the unit size of packing. Air compressor required for the system with all accessories has to be included in the scope of supply.</p>		1



## General:

In addition to the detailed specifications of the machinery, the following points may also be added in the specifications of machinery

1. The scope of supply shall include transportation of machinery to CFTRI, installation and commissioning charges at the site as indicated by CFTRI.
2. Training on the operation and maintenance of the machinery should be provided by the supplier to the staff identified by the Institute.
3. Essential spares of machinery for smooth functioning of the plant should be supplied.
4. All tools required for maintenance of each individual machinery should be supplied.
5. All open drives should be provided with safety guards and operator safety should be ensured.
6. Pits made for installing the elevators should be covered with removable grating to ensure operator safety.
7. All machinery should be supplied with electrical motor and matching starter.
8. The electrical motors supplied with the machinery should be from reputed manufacturers and each motor should have an efficiency of 80% and above.
9. Remote control buttons for starting/ stopping the individual machine should be provided.
10. All automatic systems should be provided with a provision to run them either on automatic or manual mode.
11. All hoppers should be fitted with individual feed gate to adjust the flow rate of material. Optional: Quote separately for pneumatically operated feed gates complete with all accessories including pipelines, air compressors and safety features. These pneumatic system should have a provision to operate the feed gate either automatically or manually.
12. Control panel for the entire plant should be provided along with all regulatory safety features, indicator lamps, voltage, current and power factor indicators should be provided.
13. The charges for wiring the individual machinery from the supplied control panel with all necessary and regulatory safety features should be included in the scope of supply.
14. The AMC for the entire plant beyond the warranty period should also be indicated.
15. The colour scheme of painting of all machines shall be uniform. Colour scheme, preferably Cream (CMYK: 0, 1, 18, 0, Hex triplet #FFFDD0 and Cerulean (CMYK: 100, 26, 0, 35, Hex triplet: #007BA7) or equivalent. Cerulean colour percentage should be about 20 - 25%.
16. Steam line: The supply should include installation of steam line (with glass wool cladding and covering) with necessary statutory steam and water traps and safety features applicable to a food processing industry. All steam lines should be mounted on the walls with suitable supports and connections to the individual machines/ system should have a minimum clear height of 3m (10 feet) from the ground level.
17. Unless mentioned otherwise, each machine should be provided with a surge hopper to hold material for 15 – 20 minutes of operation with an individual, adjustable feed gate.
18. In case of machinery with other options, the quotation should be submitted separately for such items indicating the changes/ deviations from the specifications.
19. All vibrating/ reciprocating/ gyratory machines should be supplied with individual anti – vibration mountings.
20. All civil construction requirements for erection and commissioning of the machines should be included in scope of supply.



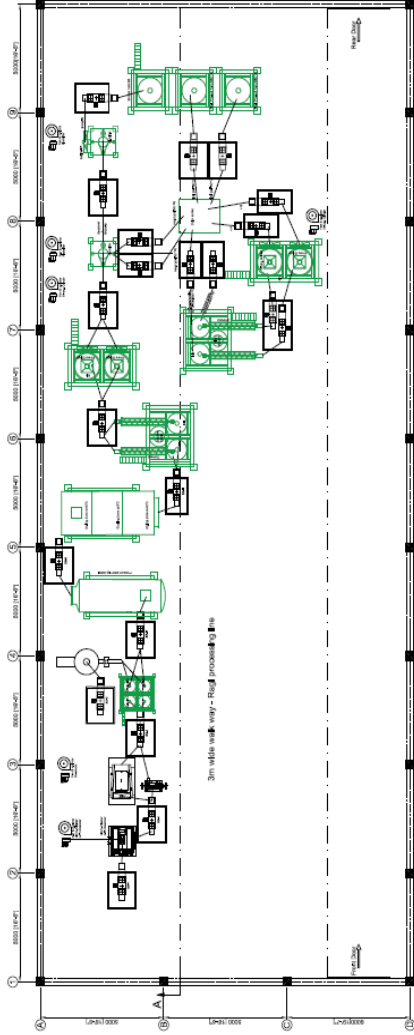
This whole plant should be of 1ton holding capacity of grain(Dia 1mm) with bulk density of 800kg/hr

The following certificate is valid only for the purpose of the above mentioned plant. This certificate is not valid for any other purpose. The certificate is valid for the period of 12 months from the date of issue. The certificate is subject to the approval of the competent authority.

DATE:	15/11/2023	FOR THE YEAR:	2023-2024
TIME:	10:30 AM	PLACE:	INDIA
BY:	Dr. S. K. SINGH	DESIGNATION:	DEPUTY COMMISSIONER
OFFICE:	INDIA	TITLE:	PROCESS PLANT

Issued at: Lucknow, India.





This drawing is a schematic and is not intended to be used for construction. It is intended to show the general layout of the plant and the relative positions of the various pieces of equipment. It is not intended to be used for the design of the plant or for the procurement of equipment. The design of the plant and the procurement of equipment must be based on a detailed process flow diagram and a detailed equipment specification.

PROJECT NO.	12345678	DATE	12/31/2023
CLIENT	ABC COMPANY	DESIGNER	DEF ENGINEERING
PROJECT NAME	RAGI PROCESSING PLANT	LOCATION	XYZ INDUSTRIAL PARK
SCALE	1:100	PROJECT NO.	12345678
DATE	12/31/2023	DESIGNER	DEF ENGINEERING
CLIENT	ABC COMPANY	LOCATION	XYZ INDUSTRIAL PARK
PROJECT NAME	RAGI PROCESSING PLANT	SCALE	1:100
SCALE	1:100	PROJECT NO.	12345678
DATE	12/31/2023	DESIGNER	DEF ENGINEERING
CLIENT	ABC COMPANY	LOCATION	XYZ INDUSTRIAL PARK



Drawn: [Name] Scale: [Scale]

## 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](http://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 one year + additional 2 months after the warranty for this tender.
6. **Integrity Pact** is not applicable for this tender.
7. **Warranty:** One year from the date of supply, installation & Commissioning, demonstration and acceptance by the Purchaser.
8. **Delivery Period:** Delivery should be effected within 6-8 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:

**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 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 valid for warranty period + additional 2 months issued by Commercial Scheduled Bank.

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 than 50%, as defined under the said Govt. of India, DPIIT order dt. 04.06.2020 as amended from time to time.

"Class II-Local Supplier" means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under the said Govt. of India, DPIIT 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 DPIIT 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, DIIPT 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. ....is .....Percent(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  
Procurement of Ragi Milling Machineries (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 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 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](http://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.**