



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 /74216/2021

दिनांक / Date: 06th August 2021

NOTICE INVITING TENDER

क्रम सं. Sl. No.	निविदा संदर्भ Tender Reference	विवरण / Description
1	CFTRI/74216/2021	Millet Processing Line – 1No.

1. Director, CSIR-CFTRI, Mysuru invites tenders for supply, installation & commissioning and satisfactory demonstration of Millet Processing Line – 1No.
2. Last date for submission of Tender is 2.00 P.M. (IST) on 23/August/ 2021 online in etenders.gov.in.
3. Technical Bid Opening online in e-tender portal at 2.30P.M(IST) on 24/August/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)

Section Officer (Stores & Purchase)

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CRITICAL DATE SHEET

CRITICAL DATE SHEET:

Tender Ref/No. CFTRI/74216/2021

Sl.No.	Stage	Date & Time
1	Publish Date & Time	06/08/2021 @ 3.00p.m.
2	Document Download Start Date & Time	06/08/2021 @ 3.00p.m.
3	Bid submission Start Date & Time	10/08/2021 @ 5.00p.m.
4	Bid submission End Date & Time	23/08/2021 @ 2.00p.m.
5	Bid Opening Date & Time	24/08/2021 @ 2.30p.m.

EQUIPMENT LIST WITH SPECIFICATIONS

1. Millet processing line:

Complete plant for processing of millets, to produce polished millets, at a capacity of 500Kg per hour consisting of the following machinery and accessories as per tentative plant layout enclosed.

List of equipment include Cleaner, Destoner, Magnetic separators, Dehusker with aspirator to remove husk, Separator to separate dehusked and unhusked material and send unhusked material back to dehusker, Multi stage polishing, Bran separation and collection system, Plansifter to separate brokens, and Packing system, with bucket elevators, storing tanks with structures, stair case, centralised dust collection system and all accessories.

The detailed specifications and essential features of each individual machine/ system is as indicated below:

Sl. No.	Specifications and essential features of individual machine/ system	Quantity
1	<p>Cleaner: Vibratory type cleaning system for cleaning different types of millets. The system should be designed for very thorough separation of impurities and material other than grain from the grain mass. Provision should be available for taking samples (when the machine is in operation) in the pipe to check the product quality. There should be two large expansion chambers (one at the inlet and the other at the outlet) to allow light particles to be discharged separately, preferably through a dust collection system/ control system with blower, motor, cyclone and gear motor driven rotary valve. The cleaner should separate at least 3 fractions and a minimum 3 sieves in the complete system should be attached to sturdy metal frames and sieves should be kept clean by efficient declogging system to prevent choking of sieves. Provision to change the sieves easily and quickly through a front panel should be made. The system should be provided with an inlet regulator to automatically distribute the grain and product over the entire width of the machine along with a storage hopper and feed gate for 15 minutes of operation. Sieve inlet, outlet and sieve boxes should be of m SS 304 throughout the contact path of the product. The system should have provision to vary the deck vibration and speed. The vibrating deck should be balanced dynamically. It should be possible to vary the operating parameters of the machine during operation. One set of additional sieves should be provided along with the machine of 0.8, 1.0, 1.4, 1.7, 2.6 and 3.0mm opening size. 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. Capacity: 500 kg/h</p>	1
2	<p>Destoner: Vibratory type vacuum destoner for continuous destoning of grains for separation of heavy particles such as stones, magnetic and nonmagnetic metals, mud balls and other foreign particles by separating impurities based on density difference by adjusting the aspirating air in the inlet assembly. The inlet system should have aspiration system, flexible connections, air regulating valve The system should have a separate collection</p>	1

Sl. No.	Specifications and essential features of individual machine/ system	Quantity
	<p>of stones and dust particles. System should be provided with an adjustable system to spread the grains evenly over the mesh screen to result in even stratification and separation along with a storage hopper and feed gate for minimum 15 minutes of operation. The system should have a quality sieve. It should also have provision to adjust the vibration intensity for efficient separation.</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 starter, both of reputed make to run on 415V, 50Hz, 3 phase AC supply.</p> <p>Capacity: 500 kg/h</p>	
	<p>A common dust collection and discharge system for the Cleaner and Destoner could be provided to reduce the number of units and offer saving in power and space.</p>	
3	<p>In – hopper magnetic separator:</p> <p>Magnetic grids/ grates – round (200mm Φ) 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 Φ25mm and bar Φ23mm with 13,000 gauss (at 20°C) having a field strength (flux density) on magnetic bar (± 10%) 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>	10
4	<p>Rubber roll sheller with husk aspirator:</p> <p>Pneumatic, automatic rubber roll sheller intended to facilitate removal of husk layers from millet grains. The unit should consist of a feed hopper with pneumatic feed gate and vibratory feeder to ensure even feeding of grains across the length of the two counter – rotating rubber rolls. Parallelism of both the rolls should be ensured at all times. The system should have the feature to run the sheller on either automatic, semi-automatic or completely manual modes. It should be possible to adjust the feed rate electronically. The feed gate should close and the rubber rolls should be stopped in case there is no material in the hopper (above the machine with a holding capacity of 15 minutes of operation). The inter roll pressure should be adjusted pneumatically. Infinite adjustment of degree of shelling should be possible by appropriately adjusting the inter – roll pressure. Safety feature preventing roll to roll contact should be provided. Both the rolls should be cooled by blowing air across them. The hardness of the rubber roll should be in the range of 85 – 90 Shore number and of size 10"L x 10"Φ. The scope of quotation should include supply of roll cooling blower, blower drive motor and starter and pipelines to the dehulling chamber complete, with all statutory safety features. It should be possible to adjust the gap between the two rolls both in auto and manual modes. After dehulling operation, the products should be passed through a Husk Aspirator for separation of husk, immature grains and sound grains. The system should be supplied along with dynamically balanced blower, cascading aspirator with adjustable flaps and closed circuit airflow pipelines to carry the husk outside the milling premises and should be discharged through a cyclone and rotary valve. The impeller of the blower should be made out of high wear resistant steel material of construction. Quote separately for SS vane blower option. The husk aspirator should be provided with ample inspection windows to check the functioning of the unit. The systems should separate immature grains from the stock and be supplied with screw conveyor to discharge the immature grains separately. The system should be supplied complete with air compressor, pneumatic lines, safety features and all accessories for continuous working. The sheller should also have a HMI for easy access to operating parameters.</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: 500 kg/h</p>	1
5	<p>Separator for dehulled and unhulled grains:</p>	1

Sl. No.	Specifications and essential features of individual machine/ system	Quantity
	<p>Compartment type separator with 48 compartments arranged in 3 or 4 superimposed decks to separate dehusked and unhusked millet grains based on differences in coefficient of restitution and coefficient of friction of grains. All contact parts of the machine (feeding trough, labyrinth, bottom sheets, linings and product discharge channels should be made from stainless steel. The unit should comprise of an inlet feed box with individual feed control to ensure uniform feed to all the compartments. The separator should have provision to control feed, speed, stroke and inclination of the table to ensure complete separation while the machine is in motion. There should be a standard 3 – point stroke length adjustment system mounted on a heavy flywheel on two heavy duty bearings. The system should have a provision for fine adjustment of the table inclination. The speed regulation should be through a frequency convertor. The system should have smooth acceleration and deceleration with no jerks. The entire system should be mounted on anti – vibration mountings. The covers should be transparent to visualize the separation process unhindered.</p> <p>The compartment type separator is the preferred system. In case of proven technology (Tray separator)/ system based on specific gravity available with the supplier, the same may be quoted separately.</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: 500 kg/h</p>	
6	<p>Cone polisher:</p> <p>Abrasive cone polisher of 36" diameter with segmented and pre – cast abrasive segments to polish dehusked grains. The first cone polisher should have Silicon Carbide abrasive of 18/20 grit size in equal proportion. The second and third cone polishers should have Silicon Carbide abrasive grit size of 20/24 in equal proportion. The wire mesh screen cage should have an opening size of 0.8 mm. One set of wire mesh screen and supporting cage to be supplied with wire mesh having an opening of 0.6 mm to be used for small sized millet grains. 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. In addition, there should be a pan type vibratory feeder below the extra hopper, with adjustable feed gate, for paddy husk which is to be fed along with the dehusked grains into the cone polisher. The hopper for husk should have a volume of 0.15m³. The polished grain outlet should also be connected with an aspiration leg of bran separation system to remove any husk particles present in the polished grain lot.</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: 500 kg/h</p>	3
7	<p>Grader sifter</p> <p>The grader sifter should sift and grade brokens, fine particles from the polished millet grains. The sieve should be imparted gyratory motion through a suitable motor and drive. The screen deck should be suitably balanced by counterweight. The screen should be interchangeable. The inside of the sifter box should be made out of AISI304 SS material. Hopper Outlets for discharge of stock should be through plastic chutes within a gravity spouting scope. The material of the mesh should be Nylon or Polyamide</p>	1

Sl. No.	Specifications and essential features of individual machine/ system	Quantity
	<p>grit gauze material with an opening size of 1003µm (16 mesh BSS) and 850µm (18 mesh BSS).</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: 500 kg/h</p>	
7	<p>Centralised Dust Collection & Discharge System:</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>Capacity: To suit the entire plant</p>	1
9	<p>Bucket elevator:</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, and 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 the requirements of the entire plant for continuous, trouble – free operation.</p> <p>Tentative heights of elevators are as given below:</p> <ul style="list-style-type: none"> a) 23' (7.01m) - 2 Nos b) 32' (9.75m) - 2 Nos c) 36' (10.97m) - 1 No <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>	As required

Sl. No.	Specifications and essential features of individual machine/ system	Quantity
10	<p>Storage tanks SS 304</p> <p>Storage tank to store cleaned Millet grains. The tanks and systems in contact with grains should be made out of 3mm thick AISI304 SS material and the support structure should be made out of MS. The structure should be complete with stair case, walkways, railings and grating platform ensuring complete safety of personnel. The outlet of these tanks should be such that there is free flow of material to the next machine. Thus the angle of the pipe from the outlet of the tank to the inlet hopper of the elevator should be 60° from the horizontal or higher.</p> <p>The following storage tanks are required:</p> <ol style="list-style-type: none"> To store cleaned and destoned grains consisting of 2 tanks each tank having a holding capacity of 500 kg To store dehusked material prior to separator, consisting of 2 tanks, each tank having a holding capacity of 500 kg To store dehusked material after separator prior to polishing, consisting of 2 tanks each tank having a holding capacity of 500 kg To store polished millets prior to packing, consisting of 2 tanks each tank having a holding capacity of 500 kg 	<p>As required</p> <p>1 set</p> <p>1 set</p> <p>1 set</p> <p>1 set</p>
11	<p>Continuous Weighing and Bag filling machine:</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
	Control panel with PLC system	
	Machinery structures and supports	
	Ducting and spouting	
	Power distribution board	
	Incoming cables and accessories	
	Mechanical erection charge	
	Electrical fitting works	
	Packing, transport, insurance, unloading, installation	

Physical properties of millets

Sl. No.	Name of millet	Bulk Density (kg/m ³)	Geometric Mean Diameter (mm)
1	Little Millet	785.9	1.75 ± 0.06
2	Foxtail Millet	787.5	1.67 ± 0.11
3	Proso Millet	816.2	2.15 ± 0.11
4	Kodo Millet	810.1	2.19 ± 0.12
5	Brown Top Millet	749.8	1.87 ± 0.03

Note: The above values are indicative only since it varies with variety and moisture content and is intended for use to calculate size of storage bins, hoppers and sizes of sieves in the above plant.

Quotation should be submitted with the following table duly filled:

Sl. No.	Machine/ System	Dimensions # (m)			Power (HP)	Foundation dimensions*		Remarks
		Length	Breadth	Height		L	B	
1	Cleaner							
2	Destoner							
3	Rubber roll sheller with husk aspirator							
4	Separator for dehusked and unhusked grains							
5	Cone polisher							
6	Plansifter							
7	Centralised dust collection system							
8	Bucket elevators@							
9	Storage tanks with structure							
10	Continuous weighing and bag filling machine							

Note:

Autocad drawing of the entire plant (on A0 size) both hard and soft copy should be submitted along with the offer

@ Height of each individual elevator to be indicated

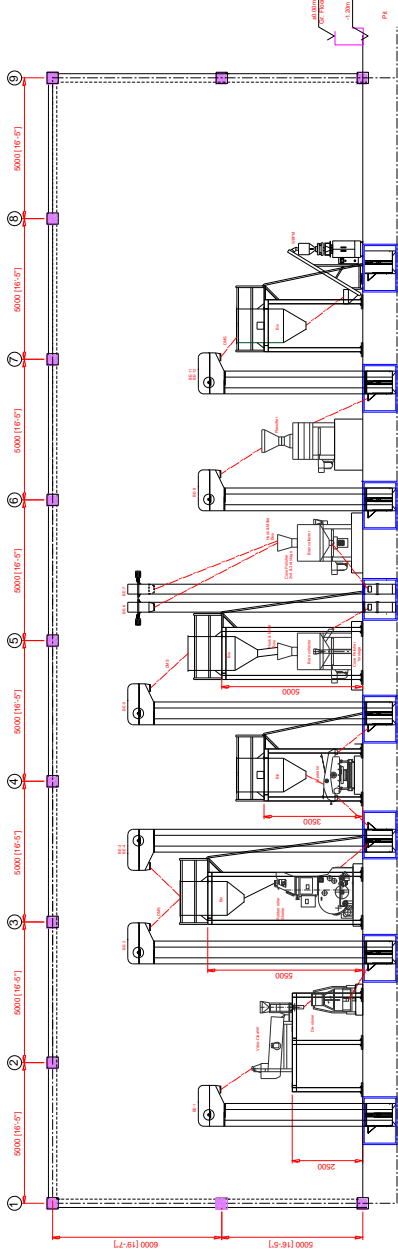
* Include separate drawing, if necessary

General:

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

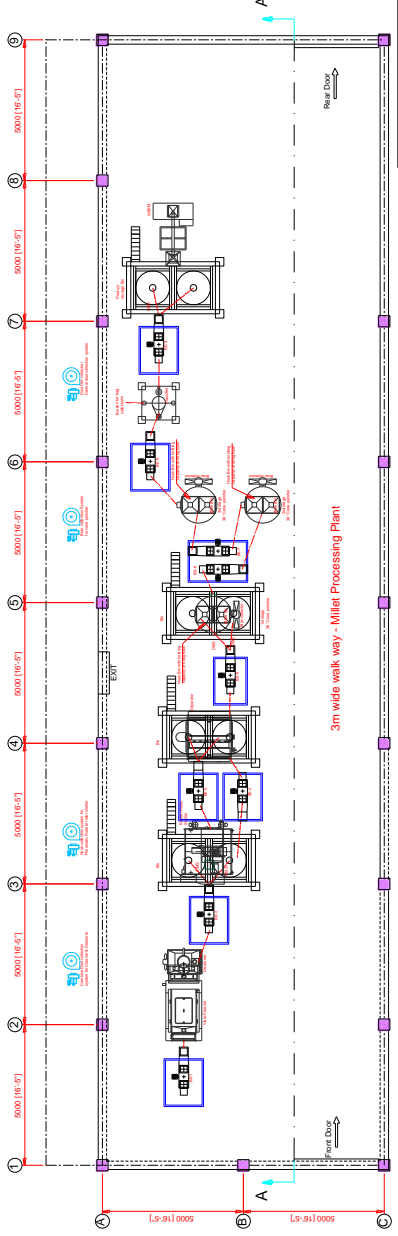
1. The scope of supply shall include transportation of machinery to CFTRI, installation and commissioning charges at the site as indicated by CFTRI.
2. Training on the operation and maintenance of the machinery should be provided by the supplier to the staff identified by the Institute.
3. Essential 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. All machinery should be supplied with electrical motor and matching starter.
7. The electrical motors supplied with the machinery should be from reputed manufacturers and each motor should have an efficiency of 80% and above.
8. Control buttons for starting/ stopping the individual machine should be provided.
9. All automatic systems should be provided with a provision to run them either on automatic or manual mode.
10. 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.
11. 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.
12. 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.
13. The AMC for the entire plant beyond the warranty period should also be indicated for another 5 years.
14. 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%.
15. 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.
16. All vibrating/ reciprocating/ gyratory machines should be supplied with individual anti – vibration mountings.
17. All civil construction requirements for erection and commissioning of the machines should be included in scope of supply.

MILLET PROCESSING PLANT



SECTION A-A

- LEGEND:**
 BE - Bucket elevator
 DMS - Magnet separator (In - hopper type)
 WBPW - Weighing & packing machine



PLAN

This drawing and all information on it is the property of CSIR - CFTRI. It is confidential and is given for limited purpose and must be returned on request. Neither this drawing nor any part of it may be copied or furnished to other nor may photographs be taken of any article, fabricated or assembled from this drawing without the consent of CSIR - CFTRI, Mysuru.

DATE: 15.05.2020	SCALE: N.T.S	TITLE: MILLET PROCESSING PLANT
BY: S. S. Srinivas A	APPROVED: S. S. Srinivas A	DRAWING NUMBER: _____
CHKD: 15.05.2020 Srinivas A	REVISION: _____	Sheet No. _____ of _____
PROJECT: _____	RESEARCH INSTITUTE, MYSURU - 570 020	PREP. NO. _____
All Dimensions are in Millimetres		Ref. Drawing _____
Break Straps Edges		

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. **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 + additional 2 months after the warranty for this tender.
6. **Integrity Pact** is not applicable for this tender.
7. **Warranty:** One year minimum 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 GoI, DIIPT 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 than 20% but less than 50%, as defined under the said GoI, DIIPT 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 DIIPT 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.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

COVER DETAILS - DOCUMENTS TO BE UPLOADED:

**Cover - 1: Pre-Qualification /Technical Bid (Techno-Commercial Details) for
Procurement of Millet Processing Line (Document Type .pdf)**

1. Eligibility Criteria

- (a) Catalogue / Brochure of the Model Quoted along with a schematic drawing of Millet Processing Line/Plant along with 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 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.