



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 /74223/2021

दिनांक / Date: 30th October 2021

NOTICE INVITING TENDER

क्रम सं. Sl. No.	निविदा संदर्भ Tender Reference	विवरण / Description
1	CFTRI/74223/2021	Coffee Processing Line – 1No.

1. Director, CSIR-CFTRI, Mysuru invites tenders for supply, installation, commissioning and satisfactory demonstration of Coffee Processing Line – 1Unit
2. **Pre Bid conference is scheduled on 09.11.2021 at 11.00a.m at CSIR-CFTRI, Mysore**
3. Last date for submission of Tender is 2.00 P.M. (IST) on 29/November/ 2021 online in etenders.gov.in.
4. Technical Bid Opening on line in e-tender portal at 2.30P.M on 30/ November /2021
5. EMD: Nil, Bid Security Declaration Form (As per Annexure-4 must be uploaded along with technical bid)
6. Bidder has to submit Non-applicability of exclusion form restrictions under Rule 144(xi) of GFR-2017 (Format enclosed with tender documents)
7. 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/74223/2021

Sl.No.	Stage	Date & Time
1	Publish Date & Time	30/10/2021 @ 2.00p.m.
2	Document Download Start Date & Time	30/10/2021 @ 2.00p.m.
3.	Pre-Bid Conference	09/11/2021 @ 11.00am
3	Bid submission Start Date & Time	16/11/2021 @ 5.00p.m.
4	Bid submission End Date & Time	29/11/2021 @ 2.00p.m.
5	Bid Opening Date & Time	30/11/2021 @ 2.30p.m.

Detailed Technical Specification

Coffee Processing Line

S. No	Equipment	Capacity	Quantity
1.	<p>Coffee Pulper</p> <p>Disc type pulper to obtain pulp from ripe coffee fruit using wet processing method. The gap between the surface of the bulb and the chop rail should be adjustable to allow any clearance that is required handle different variety and size of coffee fruit. The hopper to be fitted with a feed mechanism to ensures uniform feeding of the fruit to the disc surface. Complete with all accessories like motor, controllers, starters & switches etc., for the smooth operation of the unit</p>	100 kg/h	01
2.	<p>Coffee huller</p> <p>Spectrum Cross Beater type Coffee Millers for efficiently hulling both parchment and dry cherry coffee. Complete with hulling cylinder, perforated screen, cross beaters, aspirator system to separate husk and peels from the coffee beans, Oscillating screen with adjustable drive to separate hulled and unhulled coffee, discharging sections. Complete with motor, starters, switches and all other accessories for the smooth operation of the unit</p>	100 kg/h	01
3.	<p>Cabinet Dryer</p> <p>Double walled, through flow drying chamber constructed out of MS frame and MS sheet of suitable thickness. Electrically heated chamber provided with glass wool insulation. Complete with electric motor, blower, heater, starter, digital temperature indicator and controller etc.</p> <ul style="list-style-type: none"> ▪ No of Trays: 96 (2 mm perforation) ▪ Material: AISI304 ▪ Tray size: Standard (approx) - 800 x 400 x 32 mm ▪ Temperature range: up to 150 °C ▪ Accuracy $\pm 1^{\circ}\text{C}$ ▪ Mode of heating: Electrical ▪ Fan for air circulation and uniform temperature distribution inside the dryer. ▪ Double walled chamber: Inner made of stainless steel AISI 304 grade and powder coated MS on outer surface. ▪ Proper insulation with glass wool (at least ~60 to 75 mm) to avoid heat losses and air tight door closure arrangement ▪ Proper distribution of heating elements for uniform temperature distribution. ▪ Digital temperature controller with display of inlet & out air temperatures and RH. ▪ Fresh air inlet with filter and outlet with damper control valve. 	100kg	01
4.	<p>Colour Sorter</p> <p>Coffee color sorter for separation of coffee beans/berries based on quality. The units should consists of,</p>	100 kg/h	01

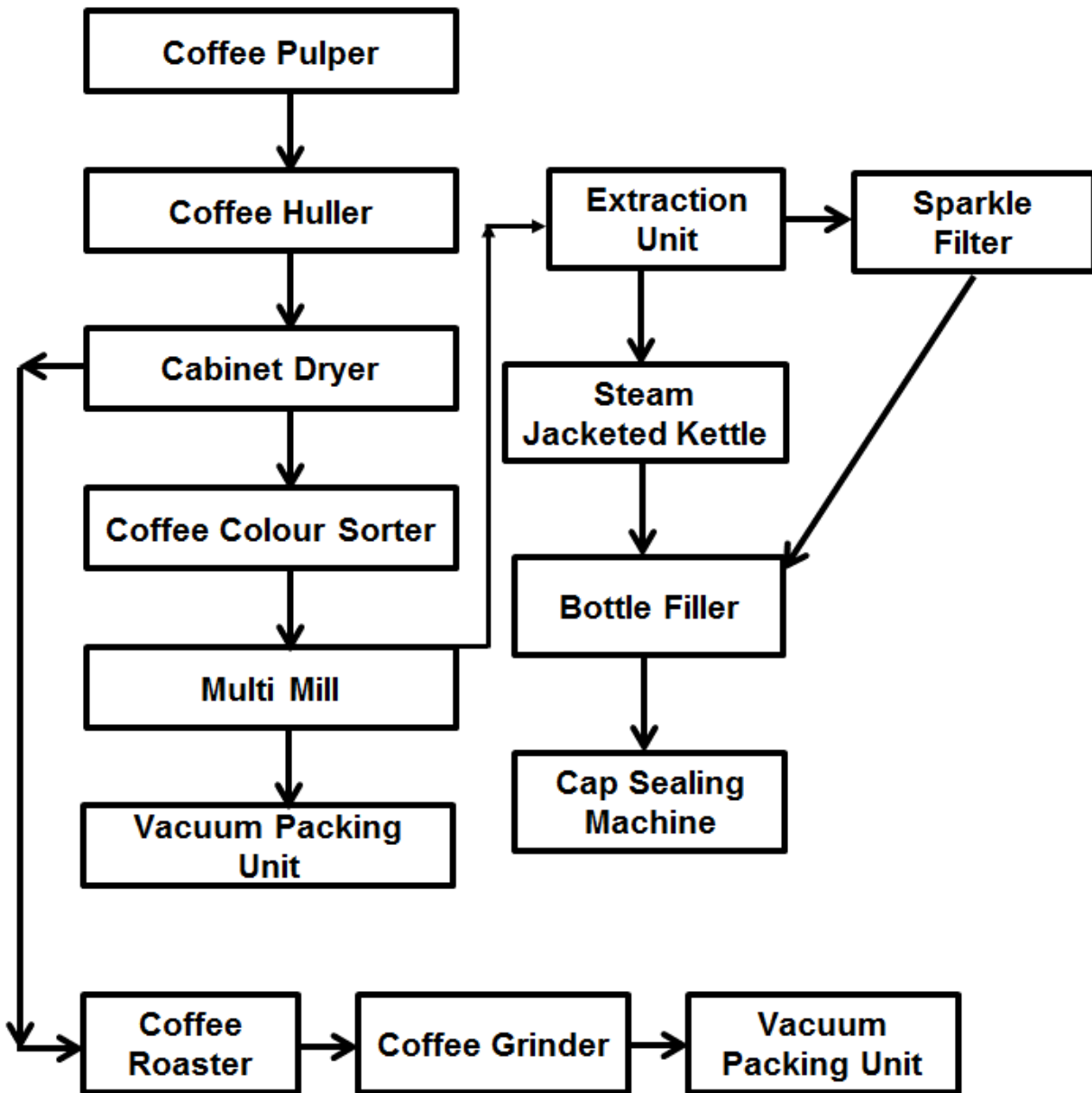
	<ul style="list-style-type: none"> ▪ Feeding and discharge mechanism for continuous processing of coffee berries/beans ▪ Trichromatic (RGB) High resolution CCD line scan cameras (5400 pixels/2048 pixels) ▪ LED High intensity lighting ▪ Online display of product through LED screen ▪ Ultrafast long life pneumatic ejectors with response time (~1ms) and long shelf life (~5billion cycles) ▪ Automatic cleaning of the viewing area by wiper system ▪ Automatic online calibration with self-check procedures <p>The unit should be suitable positioned for easy feeding and discharge. All contact parts to be made of AISI304. Complete with starters, switches and all accessories for the smooth operation of the unit.</p>		
5.	<p>Multi Mill</p> <p>High speed multi mill with whizzer classification to crush green coffee. All contact parts including sieves to be of AISI 304. Complete with one set of additional sieves starter, switches and all other necessary accessories for the smooth operation of unit</p>	100 kg/h	01
6.	<p>Steam jacketed kettle</p> <p>Tilting type, jacketed kettle (10/12 swg, inner/outer) mounted on MS structure and fitted with anchor type stirrer having Teflon scraper. Fitted with a geared motor or VFD to ensure slow speed of the stirrer. Complete with steam pet cock, safety valve, pressure gauge, safety device to avoid accidental tilting, motor and gearbox. All contact parts to be AISI 304</p> <p>Working pressure: 50 psig Hydraulic test pressure: 100 psig</p>	120L	01
7.	<p>Sparkler filters</p> <p>Sparkler Filter that is a totally enclosed air sealed leak proof filtration plant assembly consisting of filter cartridge assembly (~5 microns), AISI 304 filter plates, support screen having interlocking cups, which are fitted in the main AISI304 shell tank. The entire unit to be mounted on SS skid or trolley that is fitted with Teflon wheels for easy mobility. Provided with suitable pump (with stainless steel cover) for feeding liquid like coffee extract, bypass system & safety valve, sample collecting device. Arrangement to be made for complete removal of liquid from scavenger plate. Complete with interconnecting pipes, control valves, starter, switches etc for the smooth operation of the unit</p>	250 L/h	01
8.	<p>Vacuum packing unit Nitrogen and CO₂ flushed packing could be more suitable</p> <p>For packaging of liquid and solid foods Microprocessor control to facilitate programming, Digital display, Lid with sealing and trimming bars, fully integrated modular</p>	100 packs/h	01

	construction for easy maintenance and service, Double sealing and trimming of bag overhang, perfect high-pressure sealing even with thick folds. All contact parts to be AISI 304.		
9.	Coffee roaster with cooler Drum type For roasting of coffee beans and subsequent cooling Complete with feed hopper, heaters, temperature controller (max 250 degree centigrade), motor, sieves of suitable size (80-300 mesh) and cooling system. All contact parts to be made of AISI 304.	100 kg/h	01
10.	Coffee grinder For grinding roasted coffee beans Complete with hopper, food grade grinding steel grindstones, step less adjustment for grinding, dispenser, motor, starter, switches and all other accessories for the smooth operation of the unit	50-60 kg/h	01
11.	Extraction unit For extraction from coffee powder. Column type extraction unit with jacket for heating with steam/electrical. Water inlet, feeding mechanism for powder, outlet for extract, valves and all other accessories for the smooth operation of the unit. The unit to be mounted on suitable MS frame and insulated for prevention of heat loss. Column dimensions: Suitable for loading and cleaning No. of columns: Suitable to handle 5 kg powder MOC: AISI304	5 kg	03
12.	Bottle and Pouch filling machine Semi-auto, pneumatic bottle/pouch filler for filling coffee extracts in PET/PP bottles and flexible pouches. Complete with product tank, filling heads (2 nos.), auto volume controller (150-500 ml), bottle tray, motor and other accessories for the smooth operation of the unit. All contact parts to be AISI304 and unit to be mounted on Stainless steel stand of suitable height for easy operation.	100 bottles/h	01
13.	Cap sealing machine Table top PET/PP bottle sealing machine with motor and other accessories for smooth operation of the unit	200 bottles/h	02

- Warranty: All the machines, including bought out items must be covered with warranty for one year (minimum).
- All bought out items (motor, pump, starters, switches, etc., are to be of standard make
- Fabrication to follow all GMP guidelines and sharp edges, grooves, crevices etc., to be avoided
- All the machines must be easy to operate, clean and maintain.
- Supply is complete with all necessary items for smooth operation

Coffee Processing Line

The order in which the equipment will be lined up are indicated below for reference



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. **Pre-Bid Conference (PBC):**
Pre-Bid Conference is scheduled on **09th November 2021 at 11.00 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 **08th November 2021 upto 9.30am** so that any issue can be addressed during PBC scheduled on 09th November 2021. 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.

5. **EMD: NIL, Bid Security Declaration(BSD) Form (Annexure-4) must be uploaded along with technical bid.**
6. **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.
7. **Integrity Pact** is not applicable for this tender.
8. **Warranty:** **One** year minimum from the date of supply, installation & Commissioning, demonstration and acceptance by the Purchaser.
9. **Delivery Period:** Delivery should be effected within 12 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 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 that 50%, as defined under the said Gol, 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 that 20% but less that 50%, as defined under the said Gol, 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 Coffee Processing Line (Document Type .pdf)

1. Eligibility Criteria

- (a) Catalogue / Brochure of the Model Quoted 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.