



CSIR-Central Food Technological Research Institute
Mysuru- 570 020, Karnataka, India
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Website: www.cftri.res.in

Tender Enquiry No. CFTRI/74269-A/25-26

Date:18/12/2025

**Tender Enquiry Document
For
Supply and Installation of Smart Silo based Multi-Gas Fumigation
System**

Invitation for e-Bids / Notice Inviting e-Tender

CSIR- Central Food Technological Research Institute, Mysore, India, is one of the premier institutes under the aegis of Council of Scientific and Industrial Research, an autonomous body of the Department of Scientific and Industrial Research (Government of India), New Delhi. CSIR-CFTRI is a Science and knowledge-based Research & Development (R&D) Organization. It is internationally known for its excellence in Scientific Research in Food Science & Technology.

The Director, CSIR-CFTRI invites e-bids from the Manufacturers or their authorized distributors, if any, for purchase of the following Goods/Services:

Sr. No.	Tender No.	Description of Item(s)	Quantity	Type of Bid	Mode of Procurement
1	CFTRI/74269-A/25-26	Smart Silo based Multi-Gas Fumigation System (The Technical specifications, allied requirements and scope of supply are given in Chapter 4)	1 NO	Single Stage Two Bid	Open Tender

1. (a) Only Local Suppliers with prescribed local content as detailed in DPIIT (Ministry of Commerce and Industry, GoI) Order No. P45021/2/2017-PP(BEII)-Part (4)Vol.II dated 19/07/2024, amended from time to time, are eligible for bidding. Bidders must enclose the certificate declaring the local content of supplies as per the format.
(b) The Tender Enquiry Document can be downloaded from the Government e-Marketplace (GeM) Portal i.e. <https://gem.gov.in>. The submission of e-Bids shall be only through the GeM portal. Bids will not be accepted in any other form.

2. Interested Bidders may obtain further information from the office of:

Controller of Stores & Purchase
CSIR- Central Food Technological Research Institute
Mysuru- 570 020, Karnataka, India
Tel #: 00 91 821 2515440/5447
Email: cosp.cftri@csir.res.in
Website: www.cftri.res.in

3. The prospective bidders should adhere to the deadlines specified in the Tender Enquiry Document / corresponding NIT on GeM portal.
4. The Bid prepared by the Bidder shall include the following:

Bid Securing Declaration (BSD)	
	A bidder has to furnish/submit BID SECURING DECLARATION as per FORMAT specified in Chapter-8
	The Bid Security Declaration in the name of "The Director, CSIR-Central Food Research Institute, Mysore" to be part of the Technical Bid, without which the bid shall be rejected.

5. The Schedule for Submission of e-Bids and Opening of e-Bids is as follows:

Last Date & Time of Submission of e-Bid		Date and Time of Opening of e-Bid	
Date	Time (IST)	Date	Time (IST)
09-01-2026	15:00 Hrs	09-01-2026	15:30 Hrs

6. CSIR-CFTRI is a Public Funded Research Institute under the Department of Scientific & Industrial Research, Government of India, and concessional Custom duty is applicable for the goods purchased for Research purposes vide Government of India Notification No.51/96–Customs dated 23-July-1996, as amended from time to time. **CSIR-CFTRI is not eligible to issue any GST concessional rate certificate. Hence, bidders may submit their bid accordingly.**
7. The bids failing to comply with the following clauses will be summarily rejected.
 - a. The bidders proposing to supply finished products directly/indirectly from Bidders of Countries sharing the land border with India should submit a copy of registration with the Ministry of Home Affairs and the Ministry of External Affairs, under Rule 144(xi) of the GFR 2017 related to restrictions on participation of Foreign Bidders and their Authorized Indian Agent/Dealer in terms of Order No. P-45021/112/2020-PP(BE-II) (E-43780) dated 24-Aug-2020 of the Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, as amended from time to time as on the date of issue of Order
 - b. If the products supplied are not sourced from Countries sharing a Land border with India, the bidders should enclose a declaration to this effect as per Annexure-L
8. As per the Government of India Public Procurement policies, the purchaser intents to give purchase/price preference to Class-I local supplier and Micro & Small Enterprises for procurement of goods produced and services rendered by them. It is not applicable in the case of trading activities.
9. Bidders are requested to refer to CSIR-CFTRI website www.cftri.res.in for required forms and Other General Tender's Terms and Condition which are also an integral part of this tender. [Path: Home Page → Tender → Standard Tender Document (Scrolling Text)]
10. The Director, CSIR-CFTRI, Mysuru, reserves the right to accept or reject any bid or accept all bids either in part or in full or to split the order, or to annul the bidding process without assigning any reasons thereof.

Stores & Purchase Officer
For and on behalf of CSIR

General Instructions to Bidders: -

- 01. For participation in GeM e-procurement, all bidders need to register themselves on the GeM Portal (<https://gem.gov.in>). Only enrolled/registered bidders with the said portal shall be allowed to participate in the bidding process.**
- 02. CSIR-CFTRI neither operates nor manages the GeM Portal where online bids are submitted and therefore will not be responsible for any technical issues related to bid submission (viz., not being able to upload bid, blank/missing/part documents etc.,). If bid is incomplete on account of these, it will be treated as such and evaluated further. For any technical queries/issues related to online bid submission, Bidders must directly approach support service of GeM Portal as per the details given on their website.**

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CHAPTER - 1

INSTRUCTIONS TO BIDDERS

For details kindly refer to Standard Tender Documents uploaded at CSIR-CFTRI website i.e. www.cftri.res.in →Tender

CHAPTER 2

CONDITIONS OF CONTRACT

A. GENERAL CONDITIONS OF CONTRACT (GCC)

Note: The General Conditions of Contract shall form the part of Purchase Order / Contract.

For details kindly refer to Standard Tender Documents uploaded at CSIR-CFTRI website i.e. www.cftri.res.in →Tender

B. SPECIAL CONDITIONS OF CONTRACT (SCC)

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

Sl.No.	GCC Clause Ref	Condition
1	GCC 2.1.1(l)	<p>The Purchaser is: The Director CSIR-Central Food Technological Research Institute Mysuru- 570 020, Karnataka, India Tel #: 00 91 821 2515440/5447 Email: cosp.cftri@csir.res.in Website: www.cftri.res.in</p>
2	GCC 2.1.1(m)	<p>The Final Destination is: CSIR-Central Food Technological Research Institute Mysuru- 570 020, Karnataka, India Tel #: 00 91 821 2515440/5447 Email: cosp.cftri@csir.res.in Website: www.cftri.res.in</p>
3	GCC 2.13.1	<p>Performance Security The amount of the Performance Bank Guarantee shall be 5% of the contract value in form of Bank Guarantee(BG) /Demand Draft/Insurance Surety Bonds (ISB)/FDR to be submitted effective from the date of final installation of equipment and its acceptance by end user valid up to 60 days after the date of completion of performance obligations including warranty.</p>
4	GCC 2.16.3	<p>Delivery – Mode of Transportation/Shipment</p> <p>a) The mode of transportation shall be by Road.</p> <p>b) DELIVERY TERM: FOR CSIR-CFTRI, Mysore</p> <p>c) Delivery period (as specified in the Chapter four or six - from the date of acceptance of Purchase Order</p>

5	GCC 2.17.1	<p>Insurance</p> <p>The terms of delivery shall be FOR (Destination) and Insurance shall be arranged by the supplier on “all risk basis” including strikes, riots and civil commotion till completion of installation and commissioning.</p>
6	GCC 2.21.3	<p>The Warranty Period for this tender shall be:</p> <p>The warranty shall remain valid for a period as specified in chapter -IV i.e. specifications and allied technical details. If it is not mentioned in chapter- IV, minimum one-year warranty from date of satisfactory installation and acceptance shall be applicable.</p>
7	GCC 2.22.1	<p>Payment Terms</p> <p>The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:</p> <p>(a) Payment for Goods and Services supplied from within India will be as per GeM portal terms and conditions - 100% on bill basis against supply, installation, commissioning and training</p> <p style="text-align: center;">OR</p> <p>(b) The payment shall be made in Indian Rupees, as follows: (a) After shipment: Seventy percent (70%) of the Contract Price shall be paid on receipt of the Goods in good condition and upon submission of the documents specified in Purchase Order. (b) On Acceptance: The remaining Thirty percent (30%) of The Contract value shall be paid to the Supplier within thirty (30) days after the date of the acceptance certificate Issued by the Purchaser</p> <p>(c) E-Payment: All payments, CSIR-CFTRI prefers to make Electronic Transfers (NEFT/RTGS) through scheduled bank</p> <p>(d) All payments due under the Contract shall be paid after deduction of statutory levies at source (like TDS, Income Tax, TCS etc.), wherever applicable.</p>
8	GCC 2.27.1	<p>Liquidated Damages (LD)/Penalty</p> <p>(a) As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to, otherwise will have to forfeit the EMD/PS and also LD clause will be applicable / enforced.</p> <p>(b) If the Supplier fails to Supply, Install and Commission the system as per specifications mentioned in the order within the due date, the Supplier is liable to pay LD/penalty of 0.5% of order value per week of delay in supply/installation subject to maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the Supplier.</p> <p>(c) CSIR-CFTRI reserves the right to cancel the Purchase Order in case the delay in supply is more than 10 weeks. Penalties, if any, will be deducted from the Performance Security.</p>
9	GCC 2.34.1	<p>Applicable Law / Jurisdiction</p> <p>The place of jurisdiction is Mysuru, India.</p>
10	GCC 2.35.1	<p>For notices, the Purchaser's address is The Director Attention: The Controller of Stores & Purchase</p> <p>CSIR-Central Food Technological Research Institute Mysore- 570 020, Karnataka-India Tel #: 00 91 821 2515440/5447 Email: cosp.cftri@csir.res.in</p>

CHAPTER 3

(To be filled by the bidder and enclosed with the Technical Bid)

SCHEDULE OF REQUIREMENT

The Schedule of Requirement must clearly specify the time frame required (Schedule) for delivery of goods and services to be completed by the bidder (in reference to Scope of Supply given in Clause-4.2 of Chapter-4) if the Contract is awarded for the offer / proposal submitted by the bidder in response to this Tender.

A) Delivery Schedule:

Sr. No.	Brief Description of Goods and Services	Quantity & Unit	Delivery Schedule

B) Period of delivery shall start from : _____

C) Term of Delivery / Delivery Term (named port of shipment or named place of delivery):

Goods from India	FOR CSIR-CFTRI Mysore
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D) Scope of Supply:

E) Time frame required for conducting installation, commissioning of the equipment, acceptance test, training, etc. after the arrival of consignment or before dispatch of equipment:

Sr. No.	Activity	Time Frame
1	Site Preparation (if required)	
2	Installation & Commissioning	
3	Acceptance Test	
4	Training (Location, No. of persons, period of training, nature of training)	
5		

Place : _____ Signature of the Bidder : _____

Date : _____

Notes for Bidders:

(1)	The delivery schedule shall clearly indicate the time period within which the successful bidder will deliver the consignment in full from the date of establishment of LC or from the date of acceptance of contract etc. It should also indicate separately the time period desired for installation and commissioning of the equipment after arrival of the consignment at the premises of the Purchaser.
(2)	The date or period for delivery should be carefully specified, taking into account the implications of delivery terms stipulated in the Instructions to Bidders.

Chapter 4

Specifications and Allied Technical Details

Supply, Installation and Commissioning of Smart Silo based Multi-Gas Fumigation System

4.1 End Use: Research and Development

SPECIFICATION OF SMART SILO BASED MULTI-GAS FUMIGATION SYSTEM WITH SENSORS.

DIGITAL CAMERAS FOR FOOD STORAGE AND INFESTATION CONTROL

Sl. No	Equipment
01	Silo Structure: <ul style="list-style-type: none">• MOC: SS316L• Capacity: 50Kg. // 70L (approx.) (Approx. 1:1.5 ratio)• Design pressure: 5 bar.• Working pressure: 2-3bar.• Appropriate digital pressure gauges for monitoring pressure across the silo.• Airtight sealing to ensure efficient gas containment and prevent leakage.• Integrated ventilation and gas release mechanisms using a manual valve/safety valve.• Proper bottom support for storage of grains of size 1mm to 10 mm with an adequate sampling port across the height of the silo.• Silo can be operated with purging of gas continuously/intermittently in the grains as well as purging of gas to maintain the desired concentration of N2 (>99.9%) and CO2 in the range of 30- 90% mixture.• Chamber materials must be long-lasting, resistant to chemical fumigants, inert gases, and environmental fluctuations
02	Multi-gas Fumigation System: <ul style="list-style-type: none">• Inlets: Provision for multiple gas-based fumigation capacity with mass flow controllers (MFCs)/ electronic pressure gauge control (EPC) for controlled delivery of nitrogen (N2)/ Carbon dioxide (CO₂)/mixtures.• Flow Rates: Option to purge multiple gases N2 (>99.9%)/ CO₂ (30- 90%)/mixture in combination/ separate flow meters for individual gas flow.• Gas flow 1-20 LPM. N₂ /CO2/mixture flow controller for each gas.• Automated gas mixing and distribution system for uniform gas concentration.• Multi-point gas injection in the silo is effective fumigation.
03	Atmosphere Control and Monitoring: <ul style="list-style-type: none">• Real-time feedback loops with integrated sensors.• Long-lasting and durable materials resistant to inert gases and environmental fluctuations.• High-precision, fixed digital sensors for continuous monitoring of N₂, CO₂ and O₂ with ± 2.0 % accuracy (CO₂ & O₂ directly and With Nitrogen indicator)• Environmental Parameters: Temperature: Adjustable between 30°C and 60°C with digital control. With a hot air supplier

	<ul style="list-style-type: none"> • Relative Humidity (RH) 30-90%: Integrated monitoring and control to maintain stable storage conditions. • Ultrasonic humidifier for humidity control (Distilled water)
04	<p>Gas cylinder:</p> <ul style="list-style-type: none"> • Gas Cylinder as required with all fittings and tubing, gas regulator, and pressure gauge for connection to the fumigation chamber
05	<p>Digital Display:</p> <ul style="list-style-type: none"> • Centralized user interface (PLC+SCADA) for real-time display of gas composition, temperature, and humidity. • Integration with an AI/IoT dashboard enables pre-adjustments and remote alerts, with the user's involvement. • Control panel.
06	<p>Digital camera for image analysis:</p> <ul style="list-style-type: none"> • Digital camera (80-120° FoV) and Infrared thermal cameras (45-90° FoV) for detecting heat signatures of pests and microbial hotspots. (dual-sensor system/single rig) • Sensors connected to the end-user computer system to analyse real-time conditions. • Industrial-grade digital camera system with appropriate accessories for capturing grain images. • Model: Basler ace 2 or FLIR Blackfly S. • Resolution: 12 MP (adequate for detailed analysis). • Sensor Type: CMOS global shutter. • Lens: Tamron or Computer macro lens (adjustable focal length). • Lighting: Adjustable LED ring light for uniform illumination. • Near-infrared (NIR) lighting (To highlight specific features). • Provision for connecting to a computer for AI AI-based process <p>Accessories:</p> <ul style="list-style-type: none"> • Camera mounting rig. • Trigger cables for automated capture. • IP-rated enclosure to protect against dust and chemicals.
07	<p>Computer</p> <p>For connecting all sensors, a camera for data/image analysis with free appropriate AI software</p> <p>Intel Core i7-14700 14th Generation Processor, 32GB (2x16GB) DDR5 4800 RAM, 1TB PCIe M.2 SSD, DVDRW, INNO3D RTX 5070TI 16GB, Windows 11 Professional, 27" Monitor</p>

Eligibility Criteria for Bidders

1. Past Performance / Experience

The bidder must have successfully supplied, installed, and commissioned at least two (2) similar equipment/instruments in any Central/State Government Department, Public Sector Undertaking, or Government-funded Research Institution during the last three (3) years.

Copies of Purchase Orders and corresponding Performance / Installation Certificates must be enclosed as proof.

2. Financial Capability

The bidder should have an average annual turnover of not less than 30% of the estimated tender value during the last three (3) financial years.

Audited balance sheets or a Certificate from a Chartered Accountant shall be furnished as documentary evidence.

3. Manufacturer / Authorization Certificate

In case the bidder is not the Original Equipment Manufacturer (OEM), a current authorization letter/certificate from the OEM, confirming dealership or distributorship and post-sales service support, must be enclosed.

The OEM should have a track record of manufacturing and supplying the same or similar equipment for at least three years.

4. After-Sales Service and Warranty Support

The bidder must have an established service facility / authorized service representative in India for providing prompt after-sales service.

The equipment shall carry a minimum comprehensive warranty of One year from the date of successful installation and commissioning, with commitment for Annual Maintenance Contract (AMC) thereafter.

5. Statutory and General Compliance

The bidder must:

- a. Be a legally registered entity with valid GST, PAN, and registration certificates.
- b. Submit a self-declaration stating that they are not blacklisted or debarred by any Central/State Government Department or PSU.
- c. Comply with all provisions of GFR 2017, Manual for Procurement of Goods (MoF, DoE), and Rule 144(xi) regarding restrictions on bidders from countries sharing a land border with India.
- d. Submit a Bid Security Declaration / Integrity Pact, if applicable.

Note:

- Failure to provide any of the above documents will render the bid liable for rejection.
- The Purchaser reserves the right to verify the authenticity of submitted documents.
- Relaxation of experience and turnover criteria may be considered for start-ups or MSMEs as per Government of India norms.

4.2 Scope of Supply and incidental works: Scope of Supply includes the following:

- I. Supply of the equipment / system along with the accessories.
- II. Installation, Commissioning and Acceptance by the end user
- III. Training as specified in tender
- IV. On site comprehensive Warranty as specified in SCC
- V. Annual Maintenance Contract / Maintenance Support as specified in BoQ
- VI. Delivery Schedule as specified in SCC

4.4.2 Manufacturer's Inspection Certificate

After the goods are manufactured and assembled, inspection and testing of the goods shall be carried out at the supplier's facility by the supplier, prior to shipment to check whether the goods are in conformity with the technical specifications. Manufacturer's test certificate with data sheet shall be issued to this effect and submitted along with the delivery documents. The purchaser reserves the options to be present at the supplier's premises during such inspection and testing.

4.4.3 Installation, Commissioning and Acceptance Test

The acceptance test will be conducted by the Purchaser, their consultant or other such person nominated by the Purchaser at its option after the equipment is installed at Purchaser's site in the presence of supplier's representatives. The acceptance will involve trouble free operation. There shall not be any additional charges for carrying out acceptance test. No malfunction, partial or complete failure of any part of the equipment is expected to occur. The Supplier shall maintain necessary log in respect of the result of the test to establish to the satisfaction of the Purchaser, the successful completion of the test specified.

On the event of the ordered item failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which, the Purchaser reserve the right to get the equipment replaced by the Supplier at no extra cost to the Purchaser.

Successful conduct and conclusion of the acceptance test for the installed goods and equipment shall also be the responsibility and at the cost of the Supplier.

The acceptance tests at the final destination include the following:

a)	
B)	

4.4 Training

1)	Location	
2)	Number of persons	
3)	Period of Training	
4)	Nature of Training	

CHAPTER-5
Price Schedule forms

Bidders are requested to quote their price as per the GeM Format/BOQ as applicable to this Tender Enquiry/NIT.

CHAPTER-6
Qualification Requirements

6.1 Eligibility Criteria

a) Legal Valid Entity:

The Bidder shall necessarily be a legally valid entity either in the form of a Limited Company or a Private Limited Company registered under the Indian Companies Act, 1956 or as per rules prevailing in the country.

Bidder may be Joint Venture, Consortium or Association so long as they are formed and registered prior to the bid submission date.

Copy of Certificate of Incorporation issued by Registrar of firms/companies is to be submitted in support of this criterion or as per rules prevailing in the country.

b) An undertaking (self-certificate) is to be submitted to demonstrate that the bidder satisfies the bidders' eligibility criteria, as mentioned in ITB Clause 1.1.2 in the form of declaration by the Bidder for Code of Integrity & conflict of interest as per Chapter 8.

c) Declaration by the bidder on letter head that he has not been disqualified or black listed or suspended by any other lab of CSIR or any other Govt. Organization/Govt. of India establishment or suspended by CPPP or GeM portals, in the past 24 months.

6.2 Technical Qualification Criteria Criteria 1 -

Experience and Past Performance:

The bidder (manufacturer or principal of authorized representative – hereinafter referred simply as 'The Bidder') should have manufactured and supplied (erected/commissioned) the similar item having the same or higher specifications (herein after called 'The Product') in the last 3 years, ending 31st March of the previous financial year (hereinafter called 'The relevant Date'). Relevant documents (i.e. proof of supply and satisfactory performance certificate) must be provided along with Technical bids.

Criteria 2 - Capability- Equipment & manufacturing Facilities: -NA

'The bidder' must have an annual capacity to manufacture and supply (/erected/ commissioned) at least NA (The Qualifying Quantity)

Note: In case of multiple products in a tender, this criterion shall be applicable product wise. For example, in case of Printing Paper of different specifications/sizes, it shall be applicable to quantity of paper manufactured and supplied specification/size wise.

6.3 Financial Qualification Criteria

a) The average annual financial turnover of 'The bidder' during the last three years, ending on 'The relevant Date', should be at ₹.....NA..... as per the annual report (audited balance sheet and profit & loss account) of the relevant period.

b) A copy of the annual report (audited balance sheet and profit & loss account) of the relevant period, duly authenticated by a Chartered Accountant/Cost Accountant in India or equivalent in relevant countries, is to be submitted in support of this criterion. NA

c) The net worth of the Bidder firm (manufacturer or principal of authorized representative) should not be negative on 'The Relevant Date' and also ii) should have not eroded by more than 30% (thirty percent) in the last three years, ending on 'The Relevant Date'. Self-declaration on letterhead of the company to be provided in support of this. (Documentary evidence or supporting document).

Applicability in Special Cases:

a) **Applicability to 'Make in India':**

Bidders (manufacturer or principal of authorised representative) who have a valid/approved ongoing 'Make in India' agreement/ program and who while meeting all other criteria above, except for any or more of sub-criteria in Experience and Past Performance above, would also be considered to be qualified provided:

i)	their foreign 'Make-in-India' associates meet all the criteria above without exemption, and
ii)	the Bidder submits appropriate documentary proof for a valid/approved ongoing 'Make in India' agreement/program.
iii)	the bidder (manufacturer or principal of authorised representative) furnishes along with the bid a legally enforceable undertaking jointly executed by them self and such foreign Manufacturer for satisfactory manufacturing, Supply (and erection, commissioning if applicable) and performance of 'The Product' offered including all warranty obligations as per the general and special conditions of contract.

b) **Authorized Representatives:**

Bids of bidders quoting as authorised representative of a principal manufacturer would also be considered to be qualified, provided:

i)	their principal manufacturer meets all the criteria above without exemption, and
ii)	the principal manufacturer furnishes a legally enforceable tender-specific authorisation in the prescribed form assuring full guarantee and warranty obligations as per the general and special conditions of contract; and
iii)	the bidder himself should have been associated, as authorised representative of the same or other Principal Manufacturer for same set of services as in present bid (supply, installation, satisfactorily commissioning, after sales service as the case may be) for same or similar 'Product' for past three years ending on 'The Relevant Date'.

c) **Joint Ventures and Holding Companies:**

Credentials of the partners of Joint ventures cannot be clubbed for the purpose of compliance of PQC in supply of Goods/Equipment, and each partner must comply with all the PQC criteria independently. However, for the purpose of qualifying the Financial Standing Criteria, the Financial Standing credentials of a Holding Company can be clubbed with only one of the fully owned subsidiary bidding company, with appropriate legal documents proving such ownership.

Note for Bidders:

a) **'Doctrine of Substantial Compliance':**

The Pre-Qualification Bidding (PQB) and Pre- Qualification Criteria (PQC) are for shortlisting of sources who are competent to perform this contract to ensure best value for money from expenditure of Public Money. This process is neither intended to bestow any entitlement upon nor to create any rights or privileges for the Bidders, by way of overly hair-splitting or viciously legalistic interpretations of these criteria, disregarding the very rationale of the PQB and PQC. Keeping this caveat in view, interpretation by the Purchaser would be based on common usage of terminologies and phrases in public procurement in accordance with the 'Doctrine of Substantial Compliance' and would be final.

b) The Bidder must declare, whether asked or not in a bid document, any previous transgressions of such a code of integrity with any entity in any country during the last three years or of being debarred by any other Procuring Entity. Failure to do so would amount to violation of this code of integrity.

- c) In case of an Authorized agents quoting on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/ dealer. The Principal manufacturer directly or through one Authorized agent on his behalf can participate in the tendering process.
- d) Along with all the necessary documents/certificates required as per the tender conditions, the bidder should furnish a brief write-up, backed with adequate data, explaining their available capacity (both technical and financial), for manufacture and supply of the required goods/equipment, within the specified time of completion, after meeting all their current commitments.
- e) Supporting documents submitted by the bidder must be certified as follows:

i)	All copy of supply/work order; respective completion certificate and contact details of clients; documents issued by the relevant Industries Department/National Small Industries Corporation (NSIC)/ manufacturing license; annual report, etc., in support of experience, past performance and capacity/capability should be authenticated by the person authorized to sign the tender on behalf of the bidder. Original Documents must be submitted for inspection, if so demanded.
ii)	All financial standing data should be certified by certified accountants, for example, Chartered Accountants/Cost Accountants or equivalent.

- f) A bidder or any of its affiliates who participated as a consultant in the preparation of the design or technical specifications of the contract i.e. the subject of the bid; cannot participate in the bidding process.
- g) Authorized agents quoting on behalf of its principal Manufacturer need to submit a copy of the agency agreement/authorization certificate with the principal detailing the services to be rendered by them on behalf of the principals, failing which the bid shall not be considered.

CHAPTER 7

Contract Form

For details kindly refer Standard Tender Documents uploaded at CSIR-CFTRI website i.e. www.cftri.res.in
→Tender

CHAPTER 8

Other Standard Forms (To be enclosed as indicated below)TABLE OF CONTENTS

Sl. No.	Name	Annexure
1	Bid Security Form (to be enclosed with the technical bid)	A
2	Bid Securing Declaration. (to be enclosed with the technical bid)	B
3	Bidder Information Form (to be enclosed with the technical bid)	C
4	Bid Form	D
5	Manufacturers' Authorization Form (to be enclosed with the technical bid)	E
6	Performance Statement Form (to be enclosed with the technical bid)	F
7	Service Support Detail Form (to be enclosed with the technical bid)	G
8	Format of declaration of abiding by the code of integrity and conflict of interest to be submitted by the bidder (to be enclosed with the technical bid)	H
9	Certificate of local content with percentage (technical bid)	I & J
10	Land Boarder Sharing Declaration (to be enclosed with technical bid)	L
11	Deviation Statement Form (to be enclosed with the technical bid)	M
12	Performance Security Form (to be submitted on award of Contract)	N
13	Acceptance Certificate Form (to be submitted on award of Contract)	O
14	Non-Blocking declaration	P
15	Check List – Chapter - 9	

Note: Please refer to clause 1.10.1 of the bidding documents for other documents to be attached with the bids/offers

The Terms and conditions of Standard Tender Documents uploaded at CSIR-CFTRI website i.e. www.cftri.res.in→Tender is integral part of this tender.

CHAPTER- 9

Check List

Sr. No.	Description	Bidder's Reply
1	Approximate weight and dimension of the Consignment	Approximate dimensions of the consignment
2	Indian Customs Tariff No. and HSN No. (ICT & HSN No.)	
3	Country of Origin	
4	Percentage of local content (Certificate as per Annexure I & J)	
5	Type of Bidder (Manufacturer/Authorised Dealer / Trader /Any other)	
6	Mode of Shipment By Air / Road	
7	Quoted Final Price is inclusive of all charges like Packing / Transportation / Delivery / Installation/Training, if any.	
8	Delivery Schedule including Supply, Installation, Commissioning, Training & Acceptance	
a)	Delivery of the Item as per Chapter-4/BoQ [In weeks / Days / Months] from the date of PO	
b)	Installation & Commissioning from the date of Delivery of item [In weeks/Days/Months]	
c)	Training from the date of Installation & Commissioning of item [In weeks/Days/Months]	
d)	Acceptance from the date of Training [In weeks/Days/Months]	

9	Payment Term	
10	Statutory Levies [GST/IGST or any other taxes, duties] % of tax to be mentioned.	
11	Bidder's/Beneficiary's GSTIN and Category (MSE / Non-MSE)	
12	Beneficiary's Name and Bank Account Details along with Cancelled cheque	
13	Warranty	
14	Agree to submit Performance Security as per GCC/SCC Clause No.2.13.1	
15	Validity of offer as per Tender document	
16	Order to be placed with [Full address, Tel #, Fax #, Email Id, Contact Person]	
17	Any other information	

BID SECURITY FORM

Whereas

(hereinafter called the tenderer)

has submitted their offer dated _____
for the supply of _____
(hereinafter called the tender)

Against the Purchaser's Tender No._____

KNOW ALL MEN by these presents that WE _____
of _____ having our registered office at _____
are bound unto _____ (hereinafter called the "Purchaser")

In _____ the _____ sum _____ of _____

For which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this _____ day of _____ 20_____.

THE CONDITIONS OF THIS OBLIGATION ARE:

(1)	If the tenderer withdraws or amends or modifies or impairs or derogates from the Tender in any respect within the period of validity of this tender OR	
(2)	If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity	
	(a)	If the tenderer fails to furnish the Performance Security for the due Performance of the contract.
	(b)	Fails or refuses to accept/execute the contract.

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 45 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the authorized officer of the Bank)

Name and designation of the officer
Seal, name & address of the Bank and address of the Branch

Note: Whenever the bidder chooses to submit the Bid Security in the form of Bank Guarantee, then he should advise the banker issuing the Bank Guarantee to immediately send by Registered Post (A.D.) an unstamped duplicate copy of the Guarantee directly to the Purchaser with a covering letter to compare with the original BG for the correctness, genuineness, etc.

Tender No.:

BID-SECURING DECLARATION FORM

Date: _____

Bid No. _____

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

(a)	have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
(b)	having been notified of the acceptance of our Bid by the purchaser during the period of bid validity <ul style="list-style-type: none"> (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown)
in the capacity of (insert legal capacity of person signing the Bid Securing Declaration).

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of : (insert complete name of Bidder)

Dated on _____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)

BIDDER INFORMATION FORM

(a) *[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted. This should be done of the letter head of the firm]*

Date : *[Insert date (as day, month and year) of Bid Submission]*

Tender No .: *[Insert number from Invitation for bids]*

01.	Bidder's Legal Name <i>[Insert Bidder's legal name]</i>
02.	In case of JV, legal name of each party: <i>[Insert legal name of each party in JV]</i>
03.	Bidder's actual or intended Country of Registration: <i>[Insert actual or intended Country of Registration]</i>
04.	Bidder's Year of Registration: <i>[Insert Bidder's year of registration]</i>
05.	Bidder's Legal Address in Country of Registration: <i>[Insert Bidder's legal address in country of registration]</i>
06.	<p>Bidder's Authorized Representative Information</p> <p>Name: <i>[Insert Authorized Representative's name]</i></p> <p>Address: <i>[Insert Authorized Representative's Address]</i></p> <p>Telephone/Fax numbers: <i>[Insert Authorized Representative's telephone/fax numbers]</i></p> <p>Email Address: <i>[Insert Authorized Representative's email address]</i></p>
07.	Attached are copies of original documents of: Articles of Incorporation or Registration of firm named in 1, above.

Signature of Bidder _____

Name _____

Business Address _____

Tender No.:

ANNEXURE-D

Bid Form

[The Bidder shall fill in this Form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date : *[insert date (as day, month and year) of Bid Submission]*

Tender No. :

To : Director, CSIR-CFTRI, Mysore

We, the undersigned, declare that:

(a)	We have examined and have no reservations to the Bidding Documents, including Addenda No.: <i>[Insert the number and issuing date of each Addenda]</i>
(b)	We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services <i>[Insert a brief description of the Goods and Related Services] as specified in Chapter 4</i>
(c)	The total price of our Bid, excluding any discounts offered in item (d) below, is: <i>[insert the total bid price in words and figures, indicating the various amounts and the respective currencies]</i>
(d)	The discounts offered and the methodologies for their application are: Discounts. If our bid is accepted, the following discounts shall apply. <i>[Specify in detail each discount offered and the specific item of the Schedule of Requirements to which it applies.]</i>
(e)	Our bid shall be valid for the period of time specified in ITB Clause 1.17.1, from the date fixed for the bid submission due date in accordance with ITB Clause 1.19 and it shall remain binding upon us and may be accepted at any time before the expiration of that period
(f)	If our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause 1.43 and GCC Clause 2.13 for the due performance of the Contract and also submit order acceptance within 14 days from the date of contract in accordance with ITB Clause 1.42 and GCC Clause 2.44;
(g)	The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract: <i>[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]</i>

Name of Recipient	Address	Reason	Amount

(If none has been paid or is to be paid, indicate "none.")

(h)	We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
(i)	We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed : *[insert signature of person whose name and capacity are shown]*
In the capacity of *[insert legal capacity of person signing the Bid Submission Form]*

Name : *[insert complete name of person signing the Bid Submission Form]*

Duly authorized to sign the bid for and on behalf of: *[insert complete name of Bidder]*
Dated on _____ day of _____, *[insert date of signing]*

MANUFACTURERS' AUTHORIZATION FORM

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer.]

Date : *[Insert date (as day, month and year) of Bid Submission]*

Tender No. : *[Insert number from Invitation For Bids]*

To : *[Insert complete name and address of Purchaser]*

WHEREAS

We *[Insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 2.20 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: *[Insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[Insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[Insert title]*

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____, *[Insert date of signing]*

PERFORMANCE STATEMENT FORM

Details of similar equipment / systems supplied & installed during past 3 years in India & Abroad

Tender No.:

Name of the Bidder _____

Order Placed by (full address of Purchaser)	Order No. and date	Description and quantity of ordered equipment	Value of order	Date of completion of deliver as per contract	Date of actual completion of delivery	Remarks indicating reasons for late delivery, if any	Has the equipment been installed/ working satisfactory? (Attach a certificate from the purchaser / Consignee)	Name of Contact person along with Telephone No., Fax No. and e-mail address

Signature and Seal of the manufacturer/Bidder

Place :

Date :

Tender No.:

SERVICE SUPPORT DETAIL FORM

Sr. No.	List of similar type of equipment's serviced in the past 3 years	Address, Telephone Nos., Fax No. and e-mail address of the buyer	Nature of training Imparted/ service provided	Name and address of service provider

Signature and Seal of the manufacturer/Bidder.....

Place :

Date :

Format for declaration by the Bidder for Code of Integrity & conflict of interest
(On the Letter Head of the Bidder)

Ref. No: _____

Date: _____

To,

(Name & address of the Purchaser)

Sir/Madam,

With reference to your Tender No. _____ dated _____ I/We hereby declare that we shall abide by the Code of Integrity for Public Procurement as mentioned under Para 1.3.0 of ITB of your Tender document and have no conflict of interest.

The details of any previous transgressions of the code of integrity with any entity in any country during the last three years or of being debarred by any other Procuring Entity are as under:

- a
- b
- c

We undertake that we shall be liable for any punitive action in case of transgression/ contravention of this code.

Thanking you,

Yours sincerely,

Signature
(Name of the Authorized Signatory)
Company Seal

**Certificate of Local Content
(to be enclosed along with Technical Bid)**

We M/s. _____ (Name of Bidder) hereby certify that we meet the minimum Local content for the Goods and services offered vide our offer/bid No. _____ dated _____ as specified below:

- Class-I Local Supplier with local content of 50% and above
OR
- Class-II Local Supplier with local content of 20% and above but less than 50%
(Tick appropriate category of Local Supplier)

We are not claiming the services such as transportation, insurance, installation, commissioning, training, after sales service (warranty or AMC/CMC support), consultancy and custom clearance including custom duty as local value addition.

We are aware that the false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules (Govt of India) for which we or our successors can be debarred for up to two years as per Rule 151 (iii) of the General Finance Rules along with such other actions as may be permissible under law.

Signed : [insert signature of person whose name and capacity are shown]
In the capacity of [insert legal capacity of person signing the Bid Submission Form]

Name : [insert complete name of person signing the Bid Submission Form]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder]

Dated on _____ day of _____, [insert date of signing]

**Certificate of Price break up of Local Content
(to be enclosed along with Price Bid)**

Ref: Clause 1.30.9 and Chapter-9(Part-A) of the Tender No. _____

We M/s. _____ (Name of Bidder) hereby certify that we meet the minimum Local content for the Goods and services offered vide our offer/bid No. _____ dated _____ as specified below:

- Class-I Local Supplier with local content of 50% and above
OR
- Class-II Local Supplier with local content of 20% and above but less than 50%
(Tick appropriate category of Local Supplier)

Minimum Local content is _____ % as per Price break up given below:

Component of Cost	Imported Product		Domestic value addition to product	
	In Foreign Currency US% or specify	In Rupees Exchanged Rate 1 US\$ - Rs.	In Rupees	Location of value addition
Goods				
i) Material				
ii) Equipment				
iii)				
Total Quoted Price = [X + Y]		X=	Y=	

$$\% \text{ Local Content} = \left[\frac{Y}{X + Y} \right] \times 100$$

We are not claiming the services such as transportation, insurance, installation, commissioning, training, after sales service (warranty or AMC/CMC support), consultancy and custom clearance including custom duty as Local value addition.

We are aware that the false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules (Govt of India) for which we or our successors can be debarred for up to two years as per Rule 151 (iii) of the General Finance Rules along with such other actions as may be permissible under law.

Signed : [insert signature of person whose name and capacity are shown]
In the capacity of [insert legal capacity of person signing the Bid Submission Form]

Name : [insert complete name of person signing the Bid Submission Form]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder]

Dated on _____ day of _____,

SELF CERTIFICATION

With reference to Clause No. 1.1.3 of this tender and GoI Ministry of Finance Order No.: F. No. 6/18/2019-PPD dated 23rd July, 2020 on “Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs)” & OM No. F. No. 18/37/2020-PPD dated 8th February, 2021 and as amended from time to time on the date of issue of Tender:

It is certified that

- We are not a bidder of a country which shares a land border with India.**

OR

- We are a bidder of a country which shares a land border with India, however, we are eligible to bid in any procurement whether of goods or services as we are registered with the Competent Authority as specified in Ministry of Finance (GoI) Order No. 6/18/2019 – PPD dated 23rd July 2020. Copy of valid registration is attached.**
- Tick as applicable**

Place: Date:

**Authorised Signatory Name:
Company Seal**

Tender No.:

DEVIATION STATEMENT FORM**PART -I**

The following are the particulars of deviations from the requirements of the tender specifications:

Sl.No.	Name of Specifications/ Parts/Accessories of Tender Enquiry	Specifications of quote Model / Part / Accessory	Compliance whether YES/NO	Deviation, if any to be indicated in unambiguous terms (The compliance/ Deviation should be supported by relevant Technical Literature)	Technical justification for the deviation, if any. If specification is superior / inferior than asked for in the enquiry, it should be clearly brought out in the justification

Signature of Bidder

- If the Bidder offers more than one model, then the Compliance Statement must be enclosed for each and every model separately.
- The Technical and Commercial deviations should be indicated separately.
- If the Bidder fails to enclose the compliance statement, his bid is likely to be rejected.
- Where there is no deviation, the statement should be returned duly signed with an endorsement indicating "No Deviations".

Place:

Date:

Signature and seal of the Manufacturer/Bidder

Tender No.:

PERFORMANCE SECURITY FORM/STAND-BY LETTER OF CREDIT**MODEL BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY/ STAND-BY LETTER OF CREDIT**

To,

.....

WHEREAS.....(name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract No. dated.....to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of.....(amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the day of, 20.....

(Signature of the authorized officer of the Bank)

.....
Name and designation of the officer

.....
Seal, Name & Address of the Issuing Branch of the Bank

Note:

Whenever, the bidder chooses to submit the Performance Security in the form of Bank Guarantee, then he should advise the banker issuing the Bank Guarantee to immediately send by Registered Post (A.D.) an unstamped duplicate copy of the Guarantee directly to the Purchaser with a covering letter to compare with the original BG for the correctness, genuineness, etc.

Acceptance Certificate				
PO No.	Date:			
Sub: Certificate of Supply, Installation, Commissioning, Training and Acceptance of Goods & Services				
1	This is to certify that the equipment as detailed below has/have been received in good condition along with all the standard and special accessories (subject to remarks in Para 2). The same has been installed, commissioned and accepted.			
(a)	Contract No.			
	Date			
	Value			
	Mode of Shipment			
(b)	Description of the Equipment			
(c)	Name of the Consignee	CSIR-CFTRI, Mysore		
(d)	Scheduled date of Delivery of the Consignment to the Laboratory/Institute			
(e)	Details of LC Established			
	Date of Establishment	Date of Shipment	Date of Expiry	
(f)	Actual date of receipt of Consignment by the Laboratory/Institute			
	Date of Shipment	Date of Receipt at CSIR-CFTRI		
(g)	Scheduled date for completion of Installation, Commissioning and acceptance			
(h)	Actual date of completion of Installation, Commissioning and acceptance			
(i)	Penalty for Late Delivery (at Laboratory / Institute level) Rs.			
(j)	Penalty for Late Installation, Commissioning and Acceptance (at Laboratory / Institute level) Rs.			
2	Details of accessories/items not yet supplied and recoveries to be made on that account			
Sr. No.	Description			Amount to be recovered
3	The acceptance test has been done to our entire satisfaction. The Supplier has fulfilled his contractual obligations satisfactory - Yes			
	OR			
	The Supplier has failed to fulfill his contractual obligations with regard to the following:			
Sr. No.	Description			Amount to be recovered
The amount of recovery on account of failure of the supplier to meet his contractual obligations is as indicated at Para 3				
4	Liquidated Damages/Penalty Percentage			
	No. of Days / Weeks delayed		Amount to be recovered	
5	Warranty Details			
6	Training, if any		COMPLETED/ NOT COMPLETED (attach training Certificate/document, if any)	
7	Details of Performance Security submitted in the form of Bank Guarantee / Demand Draft			
	BG No.	Date	Amount in Rs.	Valid till
				% of BG
For Purchaser (Indenting Officer)		For Purchaser (Project Leader)		
Signature				
Name				
Designation				
Name of the Laboratory/Institute	CSIR-CFTRI	Name of the Laboratory/Institute	CSIR-CFTRI	
Date				
For Supplier				
Signature				
Name				
Designation				
Name of the Supplier				
Date				

Annexure- P
Non-Blacklisting Declaration
(To be given on Company Letter Head)

Date:

To,
The Director,
CSIR-CFTRI, Mysore

Sub: Undertaking for not being black listed

Tender Reference No.:

We confirm herewith that our company is not blacklisted, debarred or prosecuted by any Central Government or State Government department/Government Organization/PSU for corrupt, fraudulent or any other unethical business practices, we do not have any litigation pending with any of the Govt. Organizations.

Yours Faithfully,
(Signature of the Bidder, with Official Seal)