



ಸಂ. /No. CFTRI /74203/20-21

ದಿನಾಂಕ / Date: 08th March, 2021

NOTICE INVITING TENDER

ಕ್ರಮ ಸಂ. Sl. No.	ನಿವಿಧಾ ಸಂದರ್ಭ Tender Reference	ವಿವರಣ / Description
1	CFTRI/74203/20-21	Body building for Mobile Demonstration Unit – 1No.

1. Director, CSIR-CFTRI, Mysuru invites offline tenders in two bid system (Technical and Commercial in two separate cover kept in one cover superscripted as tender for.....) for supply, installation & commissioning and satisfactory demonstration of Body building for Mobile Demonstration Unit – 1No.
2. Last date for submission of Tender **by post/courier** is 2.00 P.M. (IST) on 23 /March/ 2021
3. Bid Opening at 3.30P.M(IST) on 23/March/2021
4. EMD: Nil, Bid Security Declaration Form (As per Annexure-4 must be attached 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.

Uthrauk
.. 08/03/2021

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ಅನುಭಾಗ ಅಧಿಕಾರಿ (ಭಂಡಾರ ಎಂ ಕ್ರಯ)

Section Officer (Stores & Purchase)

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Technical Specification

BODY BUILDING FOR MOBILE DEMONSTRATION UNIT

CSIR- Central Food Technological Research Institute, Mysuru is working on development of *Mobile Demonstration Unit for Tomato Processing* to showcase Tomato processing techniques to farmers (on-site) and encourage them to take up value addition, by converting raw materials into semi-finished or finished products, particularly during excess production. The scope of work includes body building on a vehicle Chassis with Cowl (Eicher make, PRO 3009 LAC) provided by CSIR-CFTRI for which detailed specifications are given in Annexure 1. Though the unit is mainly for handling tomato, it should be versatile enough to replace the equipments with other suitable equipments. The conceptual layout drawing is provided in Annexure-2. The mobile unit should have 3 major sections namely, Cabin, Kitchen/Lab and Equipment section.

Payload max : 4 to 6 MT

GVW : 10 MT

Overall dimension of the size should be as per Government Norms (RTO)

CHASSIS:

Chassis will be provided from CFTRI, cross section and other structural supports to be built on that chassis to withstand a payload of at least 6 MT (Equipment mounting). The overall vehicle size to be as per RTO guidelines. GI plate of suitable thickness to be provided on the top surface of support structure to the equipment section.

EQUIPMENT SECTION:

The equipment section will have different processing equipment (supplied by CFTRI) mounted on the support structure provided on chassis. The fixing arrangement should be such that equipment can be replaced with others to accommodate different processing line. However, the fixture should be firm enough to withstand all forces acting during transport or operation. As water is extensively used, provision should be, made for quick draining of water from this section. And, the floor in this section shall be non-slippery.

The sides of rear wall of equipment section to be of flip open type, top portion to have lever and hinge system open up with suitable locking systems, while the bottom portion should have support at the bottom with necessary height adjustment mechanism and collapsible railing all around (as indicated in 3D image attached, Annexure 3). The sheet provided to the wall to be strong enough to withstand the load of people standing (approx. 600 – 700kg) on them during working. The metal frame structure to be of MS, outer sheet to be aluminum and inner portion to be AISI 304. The outer sheet of walls to be compatible for graphic work and also withstand environmental condition (heat, rain, wind etc.)

Electrical conduits and wires to be provided (concealed) to all equipment points and be connected to a central panel in equipment section. Total installed load is approximately 70-80 kW (3ph). All safety features to be build in to take cover of electrical, fire emergency. All equipments to be provided with individual control switches/indicators. Fire extinguisher, first aid kit to be provided. Water line to be provided in the equipment section with water connection points/taps and line to be connected to water tank (500 L, Stainless Steel, rectangular with shorter height) to be provided on the top of the vehicle.

The equipment section to be illuminated with LED bulbs and additional 4-6 electrical power points (15A, 5A) to connect gadgets like computer, LED monitors, Freezer, etc. to be provided. All joints to be sealed to prevent accumulation of food particles, dust and growth of microbes.

Detachable universal mounting brackets for placing different type of equipments in two rows (~250-300 kg load on bracket) to be provided in the equipment area.

CABIN:

The cabin to be built with premier quality material in standard way with driver/ co-passenger seat and sleeper berth facility. Sliding door and wide viewing window to view kitchen and equipment area is to be provided. It should have all other general facilities like audio system, storage boxes, etc. Door to be provided for movement between kitchen and cabin

KITCHEN/LAB AREA:

All the inner surface of Kitchen/ Lab area should be built with stainless steel and flip open type side wall as in the 'equipment's area' is to be provided. Door between cabin and equipment area is to be provided. The dimensions of the door between cabin and kitchen should be sufficient for movement of people, but the door between equipment area and Kitchen should be big enough to move coolers/freezers etc. Proper fittings should be provided to place the kitchen items and laboratory apparatus. Kitchen/ Lab area must have AC facility with separate control for turning AC On/Off. Power for AC as to be provided from Engine. To be provided with SS tables, sink and wall mounted storage box. Fixed with LED bulbs for illumination. Fitted with chimney/hood to take out exhaust. Provided with electrical points/ switches (6-7 nos. 15A and 5A) for connecting induction heater/ microwave oven/ mixer/ grinder/ instruments, etc.

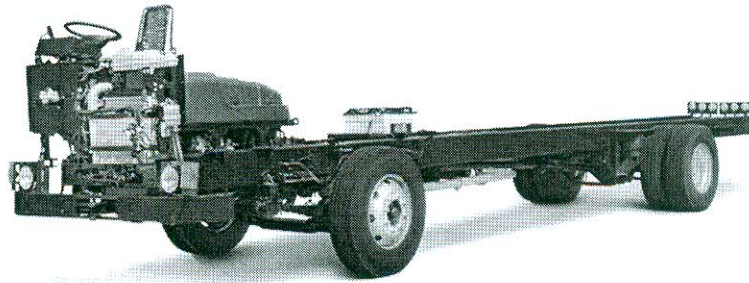
Approval for the detailed design drawings and 3D views of mobile unit as well as individual sections to be taken from CSIR-CFTRI before commencing fabrication work.

Annexure 1

(Vehicle Readily Available at CSIR – CFTRI)

CHASSIS SPECIFICATIONS

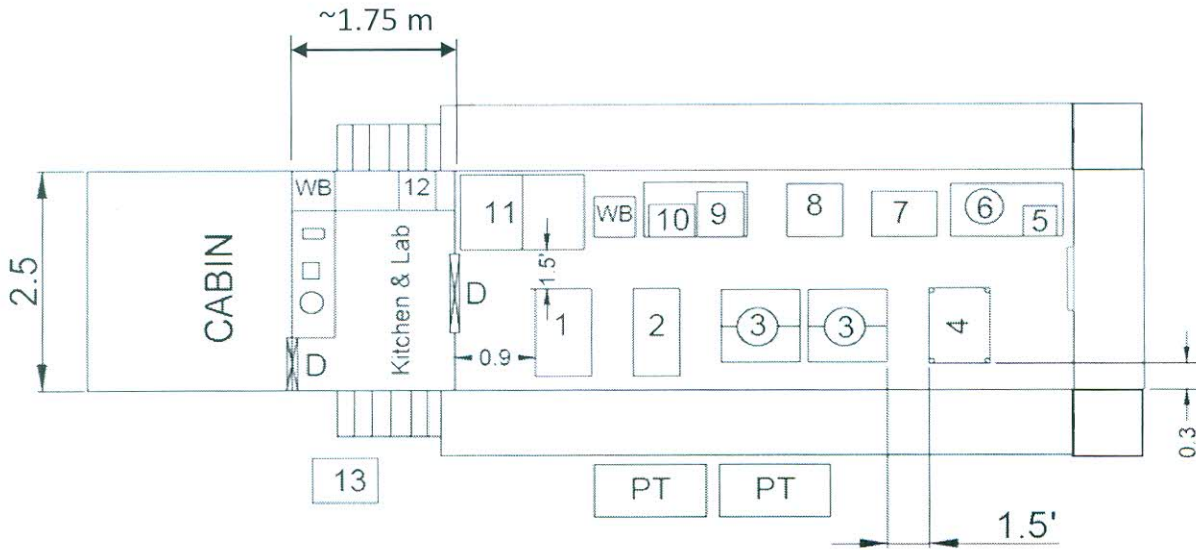
Company	: EICHER
Model	: Skyline Pro 3009 L
GVW	: 10000 kg
Kerb Weight	: 2660 kg
Wheelbase (mm)(inch)	: 5260 (207")
Front Overhang (mm)	: 2001
Rear Overhang (mm)	: 3134 (60%)
Overall Length (mm)	: 10395
Overall width (mm)	: 2345
Overall Height (mm)	: 2863
Engine Make	: E494 CRS BS IV (direct drive AC)
Displacement in cc	: 3770
Power	: 134HP@ 2600rpm
Torque	: 440Nm @ 1400- 1600rpm
Clutch	: 310 mm dia with clutch booster
Transmission Make	: ET40S6
Type	: 5 speed synchromesh
Chassis Dimension (L x W x H)	: 180X65X5 (mm)
Brakes	: Dual Circuit 'S' cam full air brakes
Tyres	: 235/75R17.5-14 PR Tubeless
Suspension	: Parabolic



Steering	: Power steering, tilt and telescopic
Battery	: 12V, 130Ah (2 nos)
Alternator	: 24V, 75 Amps + 120 Amps(2 nos)
Fuel Tank Capacity:	160 Ltrs
Others	: AC-Eberspacer 31 kw/8.86 T
Load on Front Axle	: 3700 kg
Load on Rear Axle	: 6300 kg

Annexure 2

Draft Layout



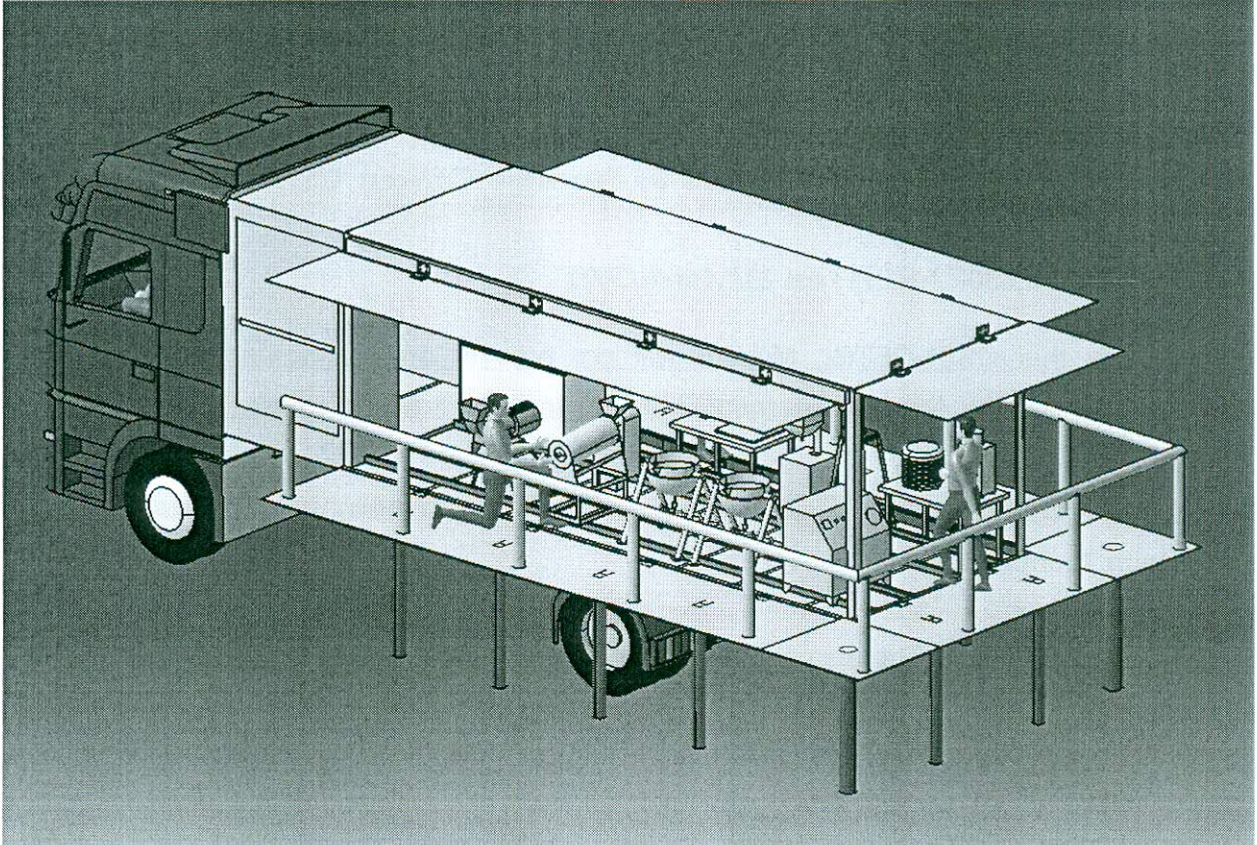
1-13 Equipments (Not in firm's scope supply)

Note:

- Control panel should be provided to connect to the external power source/DG set.
- Electrical Boards at equipment places should be provided.
- Power for Fridge, Cooler, AC and light has to be provided from engine.

Annexure 3

Mobile Demonstration Unit



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. Director, CSIR-CFTRI, Mysuru invites **offline tenders in two bid system** (Technical and Commercial in two sealed separate cover kept in one cover superscripted as tender for.....) for supply, installation & commissioning and satisfactory demonstration of Body building for Mobile Demonstration Unit – 1No.
3. Last date for submission of Tender **by post/courier** is 2.00 P.M. (IST) on 23 /March/ 2021 at the address: Office of Stores & Purchase Officer, CSIR-CFTRI, Cheluvamba Mansion, Mysore -570020
4. Bid Opening at 3.30P.M(IST) on 23/March/2021
5. Please note that CSIR-CFTRI, Mysore will not provide any exemption certificate for GST concessional rate for this procurement. Hence, you are advised to quote accordingly.
6. **EMD: NIL, Bid Security Declaration(BSD) Form (Annexure-4) must be uploaded along with technical bid.**
7. **Performance Security:** The supplier shall furnish Performance Security of **3% of the contract value** valid for warranty period of one year + additional 2 months after the warranty for this tender.
8. **Integrity Pact** is not applicable for this tender.
9. **Warranty:** One year from the date of supply, installation & Commissioning, demonstration and acceptance by the Purchaser.
10. **Delivery Period:** Delivery should be effected within 4-6 weeks from the date of issue of Purchase Order.
11. **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.

COVER DETAILS - DOCUMENTS TO BE Submitted:

Cover - 1: Pre-Qualification /Technical Bid (Techno-Commercial Details) for Procurement of Body building for Mobile Demonstration Unit

1. Eligibility Criteria

- (a) Schematic drawing along with a detailed description of the essential technical and performance characteristics of the goods being offered, with an item by-item commentary on the indented technical specification and documentary evidence of conformity of the goods and services to the bidding documents demonstrating substantial responsiveness of the goods being offered.
 - (b) Two (2) latest Purchase Order Copies with price of reputed Govt. Research Institutes/Organisation or any other institutions for the supply & installation and satisfactory functioning of the similar/equivalent equipment to comply with minimum eligibility criteria.
 - (c) User list for the quoted model along with contact Numbers and email ID
 - (d) Warranty offered and delivery schedule.
 - (e) Land boarder declaration (Annexure-13) and Local Content Certification (Annexure-14) as per enclosed format
2. Bidder's Information form (Annexure - 1)
 3. **Bid Security Declaration Form (Annexure-4)**
 4. Performance Statement Form (Annexure - 5)
 5. Deviation Statement Form (Annexure - 6)

Cover - 2: Price Schedule

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 submitted with the Technical bid for technical qualification.**