

**बिड दस्तावेज़ / Bid Document**

बिड विवरण / Bid Details	
बिड बंद होने की तारीख/समय / <b>Bid End Date/Time</b>	31-12-2025 11:00:00
बिड खुलने की तारीख/समय / <b>Bid Opening Date/Time</b>	31-12-2025 11:30:00
बिड पेशकश वैधता (बंद होने की तारीख से) / <b>Bid Offer Validity (From End Date)</b>	180 (Days)
मंत्रालय/राज्य का नाम / <b>Ministry/State Name</b>	Ministry Of Heavy Industries And Public Enterprises
विभाग का नाम / <b>Department Name</b>	Department Of Heavy Industry
संगठन का नाम / <b>Organisation Name</b>	N/a
कार्यालय का नाम / <b>Office Name</b>	National Automotive Board
कुल मात्रा / <b>Total Quantity</b>	1
वस्तु श्रेणी / <b>Item Category</b>	Environmental Chamber (Q3)
एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / <b>MSE Exemption for Years of Experience and Turnover</b>	No
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / <b>Startup Exemption for Years of Experience and Turnover</b>	No
विक्रेता से मांगे गए दस्तावेज़ / <b>Document required from seller</b>	Experience Criteria, Bidder Turnover, Certificate (Requested in ATC), Additional Doc 1 (Requested in ATC), Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेज़ों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है / <b>Do you want to show documents uploaded by bidders to all bidders participated in bid?</b>	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या / <b>Minimum number of bids required to disable automatic bid extension</b>	3
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी / <b>Number of days for which Bid would be auto-extended</b>	7

**बिड विवरण/Bid Details**

ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / <b>Number of Auto Extension count</b>	3
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	Yes
रिवर्स नीलामी योग्यता नियम/RA Qualification Rule	H1-Highest Priced Bid Elimination
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	2 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

**ईएमडी विवरण/EMD Detail**

एडवाइजरी बैंक/Advisory Bank	HDFC Bank
ईएमडी राशि/EMD Amount	390000

**ईपीबीजी विवरण /ePBG Detail**

एडवाइजरी बैंक/Advisory Bank	HDFC Bank
ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)	5.00
ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).	33

(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कैटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई कैटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b).ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

**लाभार्थी /Beneficiary :**

International Centre for Automotive Technology  
Plot No. 26, Sector-3, HSIIDC, IMT Manesar, Gurugram-122050  
(Icat)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

**एमआईआई खरीद वरीयता / MII Purchase Preference**

एमआईआई खरीद वरीयता / MII Purchase Preference	Yes
मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में है / Purchase Preference to MII sellers available upto price within L1+X%	20
मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference	50
सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement(Preference to Make-in-india) order 2017 date 16.09.2020(as amended and applicable time to time)	Yes, in compliance with the MII ORDER : DPIIT Order(as amended and applicable time to time)

**एमएसई खरीद वरीयता/MSE Purchase Preference**

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में हो / Purchase Preference to MSE OEMs available upto price within L1+X%	15
सूक्ष्म और लघु उद्यम को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MSE purchase preference	25

1. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers

as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023. [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

2. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. 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 and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

3. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

4. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

एक्सेल में अपलोड किए जाने की आवश्यकता /**Excel Upload Required** :

Price Bid - [1765343931.xlsx](#)

### **Environmental Chamber ( 1 pieces )**

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/**Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively**)

### **तकनीकी विशिष्टियाँ /Technical Specifications**

\* [जेम केटेगरी विशिष्टि के अनुसार / As per GeM Category Specification](#)

<b>विवरण/Specification</b>	<b>विशिष्टि का नाम /Specification Name</b>	<b>बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)</b>
MATERIAL	<b>Outer Body Material of Environmental Chamber</b>	Stainless steel(304), Pre-painted zinc coated sheet, Colled rolled steel and powder coated
	<b>Insulation Material</b>	Fibre glass, Polystyrene Foam, Asbestos, Rigid Poly urethane

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
DESIGN	No of Rack	1, 2, 3, NA
CAPACITY AND DIMENSION	Humidity Chamber Capacity(in Itr)	200, 250, 300, 350, 311, 821
	Thickness of insulated material(in mm)	25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 51
	Capacity of in built water tank(in Itr)	2, 3, 4, 5, 6, 7, 8, 9, 10, 1.2
	Thickness of Inner Stainless Steel Sheet(in mm)	0.8, 0.9, 1.0, 1.1, 1.2, NA, 0.96
	Thickness of outside Pre-Painted zinc coated sheet(in mm)	0.8, 0.9, 1.0, 1.2, 1.5, NA, 1.22
	Thickness of outside stainless	0.8, 0.9, 1.0, 1.1, 1.2, NA, 1.22
PERFORMANCE	Four points temperature/humidity adjustment	Yes, No
	Calibration- Three freely selectable temperature value	Yes, No
	Fan control- depending on operation status automatic adaption of fan speed resp manual adjustment from 10 to 100 %	Yes, No
	Interface Printer- parallel printer interface (incl real time clock with date function) for all PCL3-compatible ink jet printers for GLP-conforming documentation	Yes, No
	Documentation- integrated ring memory as data logger for GLPconforming long-term documentation of all relevant parameters - 1024 kB	Yes, No
	Alarm- with visual and acoustic alarm in case of over-/under temperature and underhumidity, open door and empty water tank	Yes, No
	Temperature range without humidity from -42°C up to +190°C	Yes, No
	Temperature range with humidity from +10°C up to +95°C	Yes, No

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Temperature distribution +/- 0POINT5 up to 2K	Yes, No
	Temperature Sensor- 2 Pt100 sensors DIN Class A in 4-wire-circuit for mutual monitoring, taking over functions in case of an error	Yes, No
	Display- resolution of display for set point values 0 POINT 1°C up to 99 POINT 9°C, 0 POINT 5°C from 100°C and for actual values 0 POINT 1°C (LED)	Yes, No

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Girish Chander	122051,INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY Plot No 26, Sector 3, HSIIDC, IMT-Manesar, Gurgaon 122050	1	182

**क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions**

**1. Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be  $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$ , subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

**2. Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

**अस्वीकरण/Disclaimer**

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.
15. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.
16. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

**All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.**

**For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.**

**The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:**

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove;**

and

- All operative provisions of the erstwhile Labour Laws until their complete substitution.

**All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.**

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, 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. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---

# **International Centre for Automotive Technology**

## **Additional Terms & Conditions (ATC) for Supply, Installation, Testing & Commissioning of Cyclic Walk-in Environmental Chamber (Min. Volume 20000 l) for the Battery Testing Facility in EEL at ICAT (Centre-II)**

**Tender No. ICAT/GeM/EEL/CWIEC/2025-26/240**

**International Centre for Automotive Technology**  
Plot No. - 26, Sector-3, HSIIDC, IMT Manesar, Gurgaon-122050, Haryana, India  
Phone: +91-124-4586-111, FAX: +91-124-2290005, Email: [purchase@icat.in](mailto:purchase@icat.in), Website [www.icat.in](http://www.icat.in)

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**TENDER NOTICE**

**Subject: SITC of Cyclic Walk-in Environmental Chamber (Min. Volume 20000 L) for the Battery Testing Facility in EEL at ICAT (Centre-II)**

Sir/Madam,

The International Centre for Automotive Technology (ICAT) under Ministry of Heavy Industries, Government of India, invites tenders in two bid system from the Bidders in the prescribed proforma for performing, executing and implementing the Works on the terms and conditions contained in this Tender Document and in the Contract. The brief description of Works and the timelines for tenders are summarized in the table below.

1.	Scope of supply	<b>Supply, Installation, Testing &amp; Commissioning (SITC) of Cyclic Walk-in Environmental Chamber (Min. Volume 20000 L) for the Battery Testing Facility in EEL at ICAT (Centre-II), Manesar, Haryana</b>
2.	Earnest Money Deposit	<p>INR 3,90,000/- (Rupees Three Lakhs Ninety Thousand only) in form of DD/NEFT/Bank Guarantee (format as per Annexure IX of this ATC)/Banker’s Cheque in favor of “International Centre for Automotive Technology”, payable at Manesar / Gurgaon valid for at least six months from any Indian scheduled Bank. The above Bank Guarantee to be issued/endorsed by any branch at Delhi/NCR of Indian Scheduled bank and should be consisting of Full Address of the bank along with contact details i.e. name, contact no., fax no. &amp; e-mail id of the responsible person issuing the BG (To be enclosed along with the technical Bid).</p> <p style="text-align: center;">OR</p> <p>Firms who are registered with NSIC for the tendered item /Start-ups/ Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or are registered with the Central Purchase Organization or the concerned Ministry or Department, are exempted from payment of EMD but these firms should submit a copy of the registration along with the Technical Bid. <i>(The certificate should be valid for at least 6 months from the date of submission of bids).</i></p> <p><b>Note: The exemption shall not apply to traders, agents, dealers, distributors, or firms engaged in works contracts, even if they are registered under MSME or NSIC.</b></p>

In place of a Bid security, Bidders can submit Bid securing declaration as per Annexure X accepting that if they withdraw or modify their Bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, they will be suspended for the period of 1 year from the date of opening of this bid from being eligible to submit Bids for contracts with the ICAT that invited the Bid.

<b>3.</b>	Delivery Period including I&C	Within 26 weeks after issue of PO
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**Bidders must comply to the provision of:**

- a) Rule 144 (xi) of GFR 2017 (refer Office Memorandum of Department of Expenditure dated 23<sup>rd</sup> July 2020 and as revised from time to time (**enclose declaration to this effect with the technical bid as per format given in Declaration 5 under Annexure VIII**)  
([https://assets-bg.gem.gov.in/resources/upload/shared\\_doc/Order-Public-Procurement-No-4-Restrictions-under-Rule-144-xi-of-the-General-Financial-Rules-GFRs-2017.pdf](https://assets-bg.gem.gov.in/resources/upload/shared_doc/Order-Public-Procurement-No-4-Restrictions-under-Rule-144-xi-of-the-General-Financial-Rules-GFRs-2017.pdf))
- b) Department of Industrial Policy and Promotion (DIPP) vide No. P-45021/2/2017-PP (BE-II) dated 04.06.2020 and as revised from time to time (**enclose declaration to this effect with the technical bid as per format given in Declaration 4 under Annexure VIII**)  
(<https://dpiit.gov.in/sites/default/files/PPP%20MII%20Order%20dated%204th%20June%202020.pdf>)

**ICAT Bank Details for NEFT (incase any bidder deposits the EMD of Rs. 3,90,000/- through NEFT)**

**HDFC Bank Details (Saving A/c for transactions in INR Only):-**

Beneficiary Name	International Centre for Automotive Technology
Bank Name	HDFC Bank Ltd.
Branch	Plot-K, Sector-2, Manesar-122050 Haryana
Account No.	05891450000118
Account Type	Saving
RTGS IFSC Code	HDFC0000589
Swift Code	HDFCINBB
MICR Code	110240079

**Note: Please send the NEFT details (if applicable) to [prem.purang@icat.in](mailto:prem.purang@icat.in) before submission of the bids**

## **MINIMUM ELIGIBILITY CRITERIA**

The bidder shall be a legally valid entity either in the form of Proprietary firm, Partnership firm, or Private Limited Company which are registered in India.

The bidder is the company which is designing, manufacturing, sourcing, supplying and executing the project under this tender. ICAT would interact only with this bidder in terms of entertaining the bidder for tender document clarifications, evaluation and considering for selection, award of contract and the subsequent execution of the contract.

The bidder shall explicitly commit, in the form indicated in brackets, to:

- taking the responsibility over the final performances of the equipment installed, and the compliancy with the requirements of the tender.
- offering the same conditions of Warranty and Service Support for all the equipment supplied under its Offer, as per the requirements appearing in this tender.
- remaining as the main contact point for ICAT for all design, implementation and service support actions.

In case the bidder authorizes its representative to interact with ICAT, an authorization letter will be submitted by the bidder nominating its representative.

A bidder cannot submit more than one bid.

***The bidder should fulfill the following eligibility criteria:***

1. **Bidder's Experience:** Bidder should have a minimum 5 years of experience.
2. **Previous PO/WO:** The bidder or their OEM should have successfully supplied and installed at least 3 climatic chambers similar to equipment range mentioned in the Annexure III, during last five years to any of the following:
  - a) Automotive OEMs (2W/3W/4W/Bus), or
  - b) Automotive Component Manufacturers or,
  - c) Government authorized testing agencies (ICAT, ARAI, GARC, NATRAX, CIRT, VRDE) or,
  - d) Reputed Central Government Organizations

***To qualify under 'similar nature work,' the previously supplied equipment must be an Environmental Chamber of any capacity or range.***

3. The bidder shall submit a proof of such a business, clearly showing the technical specification as per Annexure III.
4. **References:** The Bidder is requested to provide at least three references similar to equipment range mentioned in the Annexure III included in this tender, handled by them during last five years, meaning supply and installation (refer point no. 2 above). These are to be included in Annexure XIII.
5. **Bidder's Organization and Company Profile:** Bidder is required to provide the information about Bidder's Organization, Company Profile and Technical Partners".

**6. Financial Capability:** The bidder must have average annual turnover of at least 6 crores over the last three FY's (2022-23, 2023-24 & 2024-25). In case of MSE/startups, 70% of the above values would suffice. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. The contact details of CA/ Cost Accountant along with UDIN No. shall be mandatorily mentioned on copy of certified Audited Balance Sheet/Certificate

7. Bidder must comply to the provision of:

a) Rule 144 (xi) of GFR 2017 (refer Office Memorandum of Department of Expenditure dated 23<sup>rd</sup> July 2020 and as revised from time to time.

([https://assets-bg.gem.gov.in/resources/upload/shared\\_doc/Order-Public-Procurement-No-4-Restrictions-under-Rule-144-xi-of-the-General-Financial-Rules-GFRs-2017.pdf](https://assets-bg.gem.gov.in/resources/upload/shared_doc/Order-Public-Procurement-No-4-Restrictions-under-Rule-144-xi-of-the-General-Financial-Rules-GFRs-2017.pdf))

b) Department of Industrial Policy and Promotion (DIPP) vide No. P-45021/2/2017-PP (BE-II) dated 04.06.2020 and as revised from time to time.

(<https://dpiit.gov.in/sites/default/files/PPP%20MII%20Order%20dated%204th%20June%202020.pdf>)

**Note:** In case of any deviation with respect to our tender conditions, the same to be filled in deviation form by the bidders as per Annexure-XIV and must be raised within 4 days from tender publish date via GeM by raising the representation. No claim shall be entertained afterwards.

## **INSTRUCTION TO BIDDERS**

1. The Bidder must ensure that he meets all the requirements spelt in “Annexure II – ELIGIBILITY CRITERIA”
2. The bidders are expected to carefully examine all the contents of Tender Document including all instructions, eligibility criteria, evaluation parameters, forms, terms & conditions and specifications etc. and take them fully into account before submitting their bid. Failure to comply with the requirements as detailed in these documents shall be at the bidder’s own risk.
3. While all efforts have been made to avoid errors in the drafting of the Tender Document, the Bidders are advised to check the same carefully. No claim on account of any errors detected in the Tender Document shall be entertained.
4. Each of the Bid documents (i.e. ATC) should be stamped and signed by the person or persons submitting the Bid in token of his/their having acquainted himself/ themselves with the Tender Documents in entirety including all the Annexures. Any Bid not complying with the terms and conditions as set out in this Tender Document and/or not signed by authorized person may be rejected at the discretion of ICAT.
5. The bidder is requested to submit their bid, only if they consider themselves eligible as per the eligibility criteria laid down in this tender and having supporting documents.
6. Failure to furnish information required in the document or submission of a tender not substantially responsive to the document in every respect will result in rejection of the tender.
7. Offers made with conditions like “subject to execution” or “taxes are applicable” or such other vague conditions are likely to be ignored. Hence specific mention of conditions in the quotations must be ensured.
8. Loading/Unloading in the scope of supplier.
9. The Bidder shall abide by all terms & conditions of ICAT, Manesar. No other terms & conditions of the bidder are binding on ICAT, Manesar.
10. Bidders are advised to incorporate each cost in their price bid as per requirement laid down in this document. Addition/ Change request with respect to cost/ any condition after opening of bids will not be considered

### **11. Submission of Bids:**

Bidders are invited to submit their e-bids through GeM under 2 bid system along with necessary supporting documents.

A. **TECHNICAL BID** shall contain the following:

- i) Tender Document along with all supporting documents as asked in the tender document. Each document shall be duly signed and stamped. **Bidders must not divulge price of tendered item in technical bid. Violation of the same may lead to rejection of the bid.**
- ii) The supplier is required to supply the Cyclic Walk-in Environmental Chamber as per the specifications below.

### **Scope of Supply Details**

<b>Description</b>	<b>Quantity</b>	<b>Delivery Location</b>	<b>Target Completion period from the date of award of Purchase Order/LOI</b>
Supply, Installation, Testing & Commissioning of Cyclic Walk-in Environmental Chamber (Min. Volume 20000 L) for the Battery Testing Facility in EEL at ICAT (Centre-II)	1 No.	ICAT Centre-II	26 weeks

### **Technical Specification for Cyclic Walk-in Environmental Chamber for Battery Testing**

#### **1. Objective:**

This document outlines the requirements for the procurement of a **Walk-in Environmental Chamber** intended for use in a **Battery Test Facility**. The chamber will be used for **battery testing** as per the **AIS-038, AIS 156 & UN 38.3 standard**, as well as **Electric Vehicle Supply Equipment (EVSE)** and **large display systems** for both developmental and certification testing.

#### **2. Scope of Work**

The scope includes the design, manufacturing, delivery, installation, and commissioning of the Walk-in Environmental Chamber with the necessary features to conduct high-precision environmental testing of large battery packs, EVSEs, and other components.

#### **3. Technical Requirements**

##### **3.1. Environmental Control Parameters**

- **Temperature Range:**

- -65°C to +120°C or better
- **Ramp Rate:** Temperature rate of change of 4°C/min for both cooling and heating or better in the range of -60°C to +100°C as per IEC 60068-3-5.
- **Accuracy:** ± 1.5°C or better (without load in steady state conditions)
- **Gradient:** Within ± 2.0°C across the chamber volume
- **Resolution:** 0.5°C or better
- **Fluctuation:** Not more than ± 2°C

- **Humidity Control:**

- **Range:** 20% to 95% RH or better
- **Accuracy:** ± 3% RH or better

- **Resolution:** 1 % RH or better
- **Variation:** ± 4 % RH or better
- Capability to maintain **95% RH at 25°C** and **85% RH at 85°C**

### 3.2. Chamber Construction and Features

- **Chamber Structure**

The Walk-in climate chamber shall be a self-supporting structure.

- **Chamber Construction**

- **Dimensions:**

- **Internal Usable Dimensions:**

Depth: 3500 mm ±5%

Width: 2300 mm ±5%

Height: 2500 mm

- **External Dimensions:** Supplier to specify external dimensions, footprint, and weight in the bid documentation.

- **Material:**

- Interior to be constructed from corrosion-resistant stainless steel 304 with TIG-welded joints.
  - Reinforced bottom flooring to handle maximum distributed load.

- **Payload Capacity:**

- **Rack:** Minimum of 500 kg distributed load (UDL).
  - **Floor:** Minimum of 2000 kg distributed load (UDL).

- **Height Adjustable Rack:**

- **Rack Arrangement:** Suitable design to securely hold test samples inside the chamber.
  - **Adjustability:** Minimum of two levels of height adjustment within the working volume for flexible placement of test components.

- **Flooring:**

- Reinforced, anti-slip, corrosion-resistant, and suitable for heavy-duty operations.
  - Flooring must allow for the use of forklifts to facilitate sample transfer.
  - **Note:** There is no pit provision at the installation site, and the chamber will be placed on the ground or shop floor.

- **Doors and Windows**

- **Doors:**

- Double-swing doors with a clear opening of 2300 mm width and 2500 mm height.

- **Viewing Window:**

- Multi-paned glass viewing window with a heater to prevent icing.
- The ratio of the viewing window to the door should be 40% height and 40% width.
- **Insulation:**
  - PU foam and non-combustible glass wool/mineral wool with a K-factor of 0.11 or better to ensure minimal heat transfer.
- **Internal Illumination (Safety)**
  - **Illumination Design:** Concealed lighting within chamber walls, with no protrusions beyond 200 mm to avoid obstruction of test setups.
  - **Lamp Positioning:** Properly placed lamps with appropriate ratings to ensure sufficient illumination of test samples.
  - **Safety Standards:** Lighting must comply with safety requirements up to Hazard Level 6.
  - **Lamp Type:** LED array or halogen lamps.
- **Chamber Exterior**
  - **Construction:** Solid welded construction with adequately thick insulated exterior walls and ceiling.
  - **Floor:** Reinforced insulated floor designed to hold a distributed load of 2000 kg.
  - The chamber floor should accommodate a maximum contact surface area of 4 m<sup>2</sup> for large single battery packs during testing.
- **Chamber Interior (Walls and Floors)**

The chamber manufacturer must select the appropriate thickness for the chamber's interior walls and floors to meet specifications for temperature, humidity, and Hazard Level 6.
- **DM Water Requirements for Humidity Control**
  - Supplier to specify the DM water requirements, including:
    - Piping and plumbing connections.
    - Per hour DM water consumption when operating at 85% RH at 85°C.
  - **Note:** DM water input will be provided by ICAT.
- **Potential Free Relay Outputs/Digital Outputs**
  - Minimum 4 digital outputs on the exterior of the chamber for power cycling/load cycling of the device under test.
  - Supplier to provide detailed pinout and programming instructions for digital I/Os.
- **Door Interlock System**

The chamber must include an interlock system that stops the fan, circulator, heaters, and refrigeration system when the door is opened.

- **Lifting Arrangement**

Supplier must provide a suitable lifting arrangement for the chamber's transportation and placement. Clear instructions for the lifting mechanism from unloading to final placement are required.

- **Sealing Gasket**

- **Material:** Supplier to specify the material used for sealing the doors and walls of the chamber.
- **Performance:** The sealing material must show no irregularities during the opening and closing of the door.

### 3.3. Access and Interface Ports

- **Access Ports:** Minimum of four **150 mm ports** (02 Nos. on each opposite wall of the chamber) with flexible sealing plugs capable of retaining pressure during overpressure events.
- **Feedthroughs:** For air/liquid cooling of test components, with insulation to prevent condensation & suitable for air flows up to 1 kg/s.
- Minimum 04 ports, 02 for inlet and 02 for outlet of size G ¾" external thread must be provided.
- **Provision for Compressed Air Supply:** Minimum 6 mm **Swagelok connection** with two-way valve for integration with centralized air supply.

### 3.4. Heating and Cooling Systems

- **Heating:**

- High performance alloy (Inconel etc.) sheathed heaters controlled via **zero-crossing relay/thyristor** for stable operation.
- No direct radiation to the test specimen
- Capable of heat compensation of **10000 Watts at -40°C**

- **Cooling:**

- **Remote/Isolated Refrigeration:**
  - Refrigeration unit placed on the same floor as the test cabinet, with hoses running between them.
  - Bidder to specify minimum and maximum allowable distances between unit and cabinet.
  - Design must meet **Hazard Level 6** standards.
- **Water-Cooled System:** System must be water-cooled. Provide details on plumbing, water consumption, and required **TR rating** for the chiller in the Utility Matrix.
- **Piping:** Welded for leak-proofing, ensuring no irregularities.
- **Refrigerants:** Use environment-friendly, **CFC-free** refrigerants (e.g., R23, R404 or better).
- **Insulation:** Cold lines must have thick continuous elastomeric foam insulation.
- **Compressor:** Use **semi-hermetic compressors** (Copeland, Bitzer, Emerson, Dorin, or equivalent) on **anti-vibration springs**.
- **Safety Features:** Include **high/low pressure cut-off** switches and **overload/no load protection**.
- **Auto Drain:** Provide automatic drain for condensed water.
- **Pressure Indicators:** Indicators for **suction/discharge refrigerant pressure** must be included.
- **Temperature Monitoring:** Monitor temperatures for **suction and discharge** lines of the compressor.

- **Noise Level:** Ensure noise level is  $\leq 80$  dB(A) at 1 meter distance, as per **DIN EN ISO 3744**.

**Please Note: External Chiller & Lower side work for the connection of Chiller will be in the scope of ICAT, however, the details & provision for the Chiller shall be provided by the bidder.**

### **3.5. Control and Monitoring System**

- **PLC Control System:** Microprocessor-based **PLC system** (or better) for precise control and monitoring.
- **Control Panel:**
  - Minimum **10-inch colour touch panel** with LED backlight, featuring power ON/OFF switch, safety power switch, and other controls.
  - **Ethernet connectivity** with remote operation capability.
  - **Data logging** with at least 8 GB internal storage, exportable in CSV and other formats.
- **Battery Cycler Compatibility:** Supports communication with battery cyclers from global brands like **AVL, Horiba, Keysight, Bitrode, Arbin, Chroma**, allowing control of chamber climate parameters.
- **Temperature Control:** Integrated sensors for temperature control and monitoring as per specifications.
- **Operating and Programming Modes:**
  - Manual and programmable modes available.
  - Program segments for ramp-up/down, ramp rates, constant temperature, delayed start, and start from any segment.
- **Auto Restart:** Automatic resumption of operations from the last point after power restoration.
- **Status Display:** Real-time display of breakdowns and alarm messages on the controller.
- **Program and Auto-Tuning Features:**
  - Supports at least 99 programs, each with 99 segments, and nesting capability for up to 500 loops. Programmable and Pre-programmed profiles for **ISO, IEC, MIL standards** included.
  - **Auto-tuning** for optimal system performance.
- **Calibration:** Allows calibration of selected temperature values via the controller.
- **Communication Interface:** High-speed **Ethernet** for seamless connectivity and data transfer.
- **Functional Access:** Password-protected, menu-driven system to prevent unauthorized access to calibration and **PID tuning**. Service menu password with PID parameters must be provided.
  - **Remote Monitoring:** Fully **web-enabled**, Ethernet-compatible, with internet-ready access from any device (PC, tablet, mobile). Email notifications for chamber status monitoring.

### **3.6. Other Test Space Requirements**

- **Humidity Control:** Capacitive humidity sensor with automatic purge system and condensation protection features.

Control shall be precise to meet the test humidity and homogeneity requirements. Option to enable or disable the condensation protection for the test. Bidder to specify details of the dehumidification unit.

- **Temperature Measurement and Monitoring:**

Standard sensors for measuring air temperature shall be provided, along with a free sensor for controlling and measuring the product temperature.

A minimum of **five additional adjustable thermocouples** shall be included for monitoring the temperature of the

Device Under Test (DUT).

The chamber controller software/HMI display shall provide provisions for monitoring all temperature measurements.

- **Air Circulation:**

The chamber shall utilize a **forced air convection** system with provisions for controlling the **air circulating fan speed**. The bidder/chamber manufacturer must also provide the **air velocity values** at the centre of the chamber.

### 3.7. Fire and Safety Features

- **Chamber Safety features for HAZARD LEVEL 6/Equivalent specifications**

Chamber manufacturer to ensure chamber construction along with suitable accessories to meet the HAZARD LEVEL 6 or chamber with equivalent specifications. Bidder to explicitly indicate all the design features and accessories utilised to meet the same. Also, the bidder shall indicate the replaceable parts/consumables.

**Note:** Safety features shall not narrow the temperature range of the chamber mentioned in the requirement, nor shall the safety features decrease the maximum achievable dew point in the chamber.

- **Hazard Level Definition**

Hazard Level	Description	Classification Criteria and Effect
0	No effect	No effect.
1	Passive protection activated	No defect; no leakage; no venting, fire, or flame; no rupture; no explosion; no exothermic reaction or thermal runaway. Cell is reversibly damaged. Repair of protection device needed.
2	Defect / Damage	No leakage; no venting, fire, or flame; no rupture; no explosion; no exothermic reaction or thermal runaway. Cell is irreversibly damaged. Repair needed.
3	Leakage $\Delta$ mass < 50%	No venting, fire, or flame; no rupture; no explosion. Weight loss < 50% of electrolyte weight (electrolyte = solvent + salt).
4	Venting $\Delta$ mass $\geq$ 50%	No fire or flame; no rupture; no explosion. Weight loss $\geq$ 50% of electrolyte weight (electrolyte = solvent + salt).
5	Fire or Flame	No rupture; no explosion (i.e., no flying parts).
6	Rupture	No explosion but flying parts of the active mass.
7	Explosion	Explosion (i.e., disintegration of the cell).

**Chamber Package with Safety for HL6 should constitute below minimum items for safety features:**

- Optical/Acoustic alarm with supplementary PT 100 sensor
- Door locking system
- Battery gas monitoring (H<sub>2</sub> and CO etc.)
- Reversible overpressure valve with additional door locks
- Porthole with retaining clamps
- Compressed air or GN<sub>2</sub> washing (Nitrogen inertisation in the chamber)
- Oxygen Monitoring system (to optimise N<sub>2</sub> consumption)
- CO<sub>2</sub> protection system/Water mist predisposition

**The details specifications in this regard are mentioned below:**

Feature	Description
<b>Minimal Spark Protection</b>	Limited surface temperature low-watt density sheath heaters with external open terminals to mitigate the risk of hot surface ignition of flammable gases or vapours that may be released into the chamber through leakage or venting of cells.
<b>Control Circuit to Limit Heater Surface</b>	The controller should have the capability to manually limit the heater surface temperature to 80% of the auto ignition temperature of the lowest auto ignition temperature of the electrolyte from the battery in the chamber. This ensures hot surfaces do not ignite flammable materials.
<b>Intrinsically Isolated Sensors</b>	Intrinsically isolated sensors must be installed within the workspace to enhance safety.
<b>Non-Sparking Aluminium Fan Blade</b>	A non-sparking aluminium blade treated with spark-resistant chemicals must be provided to avoid the blade becoming a source of sparking in hazardous environments.
<b>Light Tower</b>	The light tower should indicate the status of the operation: a red light shall flash, and an alarm will sound in case of fire.
<b>Emergency Stop Button</b>	The chamber shall be switched off instantly once the emergency stop button is pressed in case of any fire or alarm.
<b>Visual and Acoustic Alarm</b>	Appropriate coloured lamps and acoustic alarms should be installed to provide clear visual and acoustic indications: - Red: Alarm - Yellow: Warning - Green: Test in progress - Acoustic alarm: With red light flashing (flash rate: 2 times per second). A provision to interface an additional PT100 sensor to the opto-acoustic alarm must be available.
<b>Electrical Door Lock System</b>	The door must prevent unauthorized personnel from entering the test space. It must be actively monitored during the test and shall not open during a test, in case of power failure, a fault, or when the main switch is off. The door can be opened manually after the test has ended or stopped.
<b>Pressure Relief with Flap</b>	A special overpressure compensation vent with a mechanical, weight-loaded non-return flap must be installed at an appropriate location. The supplier must provide utility requirements to route/duct the exhaust.
<b>Purge Air Connection</b>	A purge air connection (either compressed air or tubular fan) must be installed on the chamber ceiling to fill the chamber with fresh air before opening, to safely discharge harmful gases. The purge air device shall be activated immediately after a pre-alarm from the gas detection system. The supplier must provide utility requirements for the same.
<b>Plug Protection</b>	Stainless steel covers must be installed outside the chamber ports, fastened with bolts, to ensure plugs remain secured within the ports in the event of overpressure and are not pushed or blown out.

<b>Fire Detection System</b>	Sensors to detect CO, H <sub>2</sub> , and O <sub>2</sub> levels must be installed. The CO detection range: 0-1000 PPM. Alarm settings: - Pre-Alarm (Alarm 1) at 200 PPM - Main Alarm (Alarm 2) at 800 PPM. Gas sampling must be arranged outside the chamber.
<b>Nitrogen Inertization</b>	The test space must be purged with nitrogen gas in case of fire detection to reduce the oxygen level and limit fire propagation. The supplier must provide details on the required N <sub>2</sub> quantity and necessary line installations (N <sub>2</sub> arrangement is within ICAT's scope).
<b>Water Mist System</b>	A high-pressure water mist system must be installed for fire suppression. The nozzles must cover minimum 80% of the test space in the event of fire. The system should include nozzles, water storage cylinder, manifold, cylinder support frame, pressure regulator, pipes and fittings, fire alarm control panel, cables, abort switches, manual release switch, thermocouples, and more. Water spray nozzles (minimum 6) must be provided, and the chamber must have the necessary provision to accommodate these components.
<b>Gas- and Pressure-Proof Drain</b>	The chamber must be gas- and pressure-proof. The supplier must specify the arrangements made to ensure gas and pressure-proofing.

### 3.8. Additional Requirements

- **IP Surveillance:** The chamber shall be equipped with **intelligent HD IP cameras** featuring:
  - Real-time video analytics with motion detection to minimize stored data.
  - Area definitions for safety level differentiation in motion and abnormal event detection (e.g., fire, smoke).
  - Remote access to video images for authorized personnel.
  - Power over Ethernet (PoE) capability.
  - Installation in safe locations, protected against fire, water, explosions, and corrosive gases.
  - Storage Device/System for Camera Data need to be considered in bidder's scope.
- **IR based Thermal Camera Monitoring System:** The chamber shall be equipped with High Resolution LWIR Ultra Compact Infrared Camera for Non-Contact Temperature Measurement featuring:

#### Thermal Imaging Camera Specifications

- **Camera:** Mounting Type
- **Resolution:** 640 x 480 pixels minimum
- **Spectral Range:** 8 μm to 14 μm (LWIR) or better
- **Thermal Sensitivity:** ≤ 50 mK
- **Frame Rate:** 50 Hz minimum
- **Temperature Range:** -10°C to +1000°C or better
- **Accuracy:** ±2°C or ±2% of reading in °C or °K or better
- **Interfaces:** Gigabit Ethernet, USB, HDMI (or better)
- **Power Supply:** 12 VDC or PoE
- **Environmental Protection:** IP Rated
- **Compliance:** CE, FCC, ROHS
- **Compatible** with Standard lab testing software.

The mounting structure for the thermal camera, whether positioned inside or outside the chamber, is to be included in the bidder's scope. The design should ensure full functionality across the intended range of applications.

### 3.9. Electrical and Utility Requirements

- **Power Supply:** 415V AC/ 230V AC  $\pm 10\%$ , 50 $\pm 2$  Hz supply available at site.
- **Operating Environment:** The chamber shall function satisfactorily within the ambient temperature range of 5°C to 50°C.
- All Utilities Requirement to be specified in **Utility Matrix** by the vendor including maximum load, power requirement, water consumption, flow, compressed air requirement etc.
- **Drainage** setup for condensed water disposal to be included in the scope of bidder.

### 3.10. General Chamber Safety Features & Interlocks:

- **Electrical Safety:**
  - Mains (Electrical Power) disconnect switch provided on the chamber.
  - Fuse protection for mains and individual circuits.
- **Alarm System:**
  - Audio/Visual alarm system on the machine and computer for fault reporting.
  - Facility to transmit alarm messages via email.
- **System Protection:**
  - Protection against system malfunction and failure during power failures, surges, low power, fluctuations, or power reversal.
  - High and low temperature limit system provided.
  - Temperature limiter in software for  $T_{min}$  and  $T_{max}$ .
  - Excess pressure protection in the refrigeration system.
  - High and low temperature protection for test specimens.
- **Diagnostics & Troubleshooting:**
  - Integral fault diagnostic system/auto-diagnosis program with troubleshooting capabilities.
- **Compressor Safety:**
  - Compressors equipped with in-built overload protection.
  - Heavy-duty fans for compressor head cooling or liquid cooling.
  - All fans shall be equipped with guards.
- **Defrosting & Safety Features:**
  - Controller with an automatic defrost feature for the cold chamber.
  - Safety relief valves provided on the refrigeration system.
- **Component Compliance:**
  - All electrical and electronic components must be CE marked.
- **Supplier Specifications:**
  - Additional safety features shall be specified by the supplier.

### 4. Documentation and Compliance

The supplier shall provide:

- **Manuals:** **Two sets** of hard copies of operation, programming, control, installation, and maintenance manuals, including circuit and wiring diagrams, as well as troubleshooting guides, all in English. Soft copies of the above documents.
- **Calibration Certificates:** Certificates from an **ISO/IEC 17025 accredited laboratory**.
- **Software:** **Software CD** for the chamber. **Free software updates** for a minimum of 5 years.
- **Engineering Drawings:** Detailed engineering drawings, including layout and schematics.
- **Technical Documentation:** Brochures and technical documentation for all components, including refrigeration units and safety systems.

## 5. Control Software Features

- **Compatibility:** Windows-based software compatible with Windows 10 or higher, with a perpetual license.
- **User Interface:** Software supports logging, plotting, programming, and viewing process variables and set points.
- **Data Export:** Ability to export logged data in Excel, Word, or PDF formats.
- **Software Setup:** Provided on pen drive or CD.
- **Control Modes:** Supports both manual and auto mode operations.
- **Communication Interface:** Ethernet interface for controlling both battery cyclers and the chamber through PC software.

## 6. Installation and Commissioning

The supplier must install the chamber at the designated site, ensuring full operational readiness, including testing and commissioning. The supplier will provide training for the operation and maintenance of the chamber, including safety protocols.

## 7. Warranty and Support

- **Warranty:** Minimum 2 years warranty for parts and labour
- **Maintenance:** Preventive maintenance every three months during the warranty period. Failure to do so will result in extension of warranty period by twice the amount of delay in preventive maintenance.
- **Service Support:** Local support with a guaranteed **10-year availability** of parts.
- **Response Time:** Immediate online support, with on-site support within **2 days**.

## 8. Acceptance Tests

The ICAT technical team will verify the Walk-in Chamber in accordance with the complete specifications outlined in this tender document. This verification will include all systems and accessories employed to ensure safety, adhering to Hazard Level 6. Additionally, valid calibration reports with traceability to national or international standards, as per ISO/IEC 17025, must be provided. The verification will also include a review of various test profiles and cycles based on relevant standards and the equipment's range, at the discretion of ICAT officials. For details on acceptance test kindly refer Factory Acceptance Test (FAT) Plan and Site Acceptance Test (SAT) Plan.

### Factory Acceptance Test (FAT) Plan

Summary		
A.	Equipment	
B.	Supplier	
C.	FAT Location	
D.	Tender Reference Number	
E.	PO/Contract Number	
F.	Supplier Name	

### 1. Objective

To verify at manufacturer's works that the equipment meets the approved design, quality, functionality, and safety requirements before dispatch to ICAT.

### 2. FAT Test Matrix

Category	Inspection / Test Description	Verification Method	Acceptance Criteria / Reference	Witness / Hold / Review Point	Remarks
A. Documentation Verification	Review of approved drawings, datasheets, QA	Document Review	As per approved design	R1 – Design Review	

	records				
<b>B. Equipment Build Quality</b>	Visual & dimensional verification of assemblies, finish, labels, and safety marking.	Physical Verification	Meets OEM standard & tender specs	<b>W1</b>	
<b>C. Electrical &amp; Safety Checks</b>	Power supply verification, insulation, earthing continuity, interlock function (if applicable).	Test with multimeter/ continuity check	As per IEC/IS/Manufacturer Safety Protocol/Tender specs	<b>W2</b>	Minor deviations if any to be recorded & resolved.
<b>D. Control Logic / GUI Verification</b>	Emergency stop; Demonstration of control, alarm, user interface, software menus (if applicable).	Functional Demo / Simulation	Functional operation without errors	<b>W3</b>	Only simulation or no-load operation to verify functionality; actual performance to be verified during SAT.
<b>E. Functional/ Technical Verification</b>	Functional verification in simulation mode (test load not mandatory)	Observation / OEM demo	Confirmation of all Verification Parameters listed in Equipment-Specific Table (Sr. No. 3)	<b>W4 – FAT Execution</b>	Equipment-Specific Verification
<b>F. Documentation Package Verification</b>	Review of FAT plan; draft O&M manuals and software license list (if applicable).	Review	Documents as per tender / FAT procedure	<b>R2</b>	Final O&M manuals and software documents to be reviewed post-SAT.
<b>G. Calibration &amp; Instrument Verification</b>	Check calibration certificates of all measuring devices used.	Document verification	Valid calibration from NABL/ILAC lab	<b>H1 – Pre-dispatch Hold Point</b>	Must be cleared before dispatch.
<b>H. FAT Report Preparation</b>	Compilation of all FAT results and sign-off by both parties.	Report Verification	All parameters “Accepted”	<b>H2 – FAT Closure</b>	Signed FAT Report required for dispatch clearance.

### 3. Equipment Specific Technical Verification (As per Technical Requirements of this Tender):

Test / Verification Description	Observation	Remarks
Temperature range & humidity range		
Ramp rate logic (simulation)		
HMI/PLC – Connectivity Interfaces (Ethernet, USB, digital I/O)		
Internal chamber lighting & rack mechanism (manual dry run)		
Heating/cooling system control signal simulation		
Humidity control simulation (valve/steam logic)		
Data logging & memory		
Alarm & safety notifications		
Safety logic simulation (Including Hazard Level 6 package Review)		

#### 4. Deliverables (to ICAT)

##### At the Completion of FAT:

- FAT Report (signed by ICAT & Supplier)
- Calibration Certificates of measuring instruments
- QA / QC Records
- Geotagged Photographs of FAT activities

##### Before Dispatch (Physical or through email):

- Packing list with item-wise details & Photographs
- Handling, lifting, and storage instructions

#### 5. Notes

- FAT focuses on verification; simulated functional checks only, actual performance testing is not mandatory.
- Any parameter not tested during FAT shall be verified during SAT.
- Any deviations must be jointly recorded, and corrective actions agreed before dispatch.
- Dispatch is permitted only after satisfactory FAT clearance by ICAT.

#### 6. Sign-Off

Role	Name / Designation	Signature	Date
Supplier Representative			
ICAT Representative			

#### Site Acceptance Test (SAT) Plan

Summary		
A.	Equipment	
B.	Supplier	
C.	ICAT Site Location	
D.	Tender Reference Number	
E.	PO/Contract Number	
F.	Supplier Name	

#### 1. Objective

To validate, after installation at ICAT site, that the equipment performs safely, reliably, and as per approved specifications, under actual operating conditions.

## 2.SAT Test Matrix

Category	Test / Verification Description	Test Method / Observation	Acceptance Criteria / Reference	Witness / Hold / Review Point	Remarks
<b>A. Pre-checks</b>	Verification of utilities, environmental readiness, earthing, interconnections.	Visual & instrument verification	As per utility & civil matrix	<b>R1</b>	Must be completed before power-on.
<b>B. Installation Verification</b>	Physical installation, anchoring, orientation, space clearance.	Visual inspection	As per approved GA drawing	<b>W1</b>	Any deviation if any to be approved by ICAT.
<b>C. Power-On &amp; Safety Verification</b>	Initial start-up, safety systems; interlocks, alarms (if applicable)	Functional check	Meets safety standard & OEM specs	<b>W2 – Hold before operation</b>	
<b>D. Functional Performance</b>	Equipment operation	Actual operation	Smooth & error-free functioning & Confirmation of all Verification Parameters listed in Equipment-Specific Table (Sr. No. 3)	<b>W3 – Functional Test</b>	Test logs to be recorded.
<b>E. Standards Compliance Validation</b>	Verification of applicable test standards as mentioned in TCC (AIS/IEC/ISO/Others).	Observation & test log	Compliance confirmed	<b>R2</b>	
<b>F. Performance Test Cases (Tender Specific)</b>	Execute At least 2 key test cases derived from tender scope.	Actual measurement	Within performance limits specified	<b>H1 – Performance Hold Point</b>	To be finalized per equipment as agreed between ICAT & Supplier.
<b>G. Data Logging &amp; Reports</b>	Review of test logs, trends, and control reports (wherever applicable).	Data analysis	Stable operation; no critical error	<b>W4</b>	Applicable to systems with data logging or control interfaces.
<b>H. Equipment Calibration Verification (SAT): If applicable</b>	Verify critical sensors/instruments are accurate and within tolerance (If applicable)	Cross-check with calibration certificates or reference instruments	Measurements within tolerance limits specified by OEM	<b>W5 – Calibration Check</b>	Full calibration certificates for final handover not required at SAT; SAT only needs verification that equipment reads correctly.
<b>I. Documentation Submission</b>	Review of SAT report and supporting observations	Review	SAT report complete, deviations noted	<b>H2 – SAT Documentation Review</b>	Full documentation for final handover comes later; only SAT-related

### 3. Equipment Specific Technical Verification:

Test / Verification Description	Observation	Remarks
Temperature range & humidity range		
Ramp rate logic (simulation)		
HMI/PLC – Connectivity Interfaces (Ethernet, USB, digital I/O)		
Internal chamber lighting & rack mechanism (manual dry run)		
Heating/cooling system control signal simulation		
Humidity control simulation (valve/steam logic)		
Data logging & memory		
Alarm & safety notifications		
Safety logic simulation (Including Hazard Level 6 package Review)		
All Key Technical Specifications as mentioned in Technical Specifications of this tender		

### 4. Deliverables (to ICAT)

#### At the Completion of SAT (On-Site Verification at ICAT):

- Corrective Action Report (if any deviations observed during SAT)
- Final SAT Report / Checklist (signed by ICAT & Supplier)

“Includes test logs if any, and site photographs”

- Documentation as per the Checklist below:
  - Completion certificate
  - Operation & Maintenance Manuals (Digital + Hard Copy)
  - Training report (OEM training)
  - Calibration certificates
  - Software licenses, passwords & backups (if applicable)
  - SOPs for operation and maintenance
  - As-built drawings (GA, electrical, mechanical)
  - Labelling & signage on Machine & Equipment
  - Service support & escalation matrix
  - List of spare parts/consumables with part numbers
  - Supply of consumable/spare kits (if included in technical specs)
- Preventive maintenance schedule (minimum every 6 months during warranty period)

### 5. Notes

- SAT focuses on validation of equipment performance under actual test conditions.
- Any shortfall observed in FAT must be verified and closed during SAT.
- All safety measures shall be in place before power-on.
- Supplier must provide adequate manpower for testing, training, and documentation.
- Final Acceptance Certificate will be issued only after successful SAT completion.
-

## 6. Sign-Off

Role	Name / Designation	Signature	Date
Supplier Representative			
ICAT Representative			

### General Requirements

- Representative details including company address and email ID shall be submitted for all the equipment.
- Service manual indicating maintenance and operation of all critical parts shall be submitted.
- Preventive maintenance plan for all critical equipment shall be proposed in manual.
- The license of all supplied software (if applicable) should be valid for lifetime (perpetual licence). Free upgrades and on – site maintenance/support shall be included minimum for warranty period i.e. 2 years.
- In case of primary PC or HMI hardware failure, copy of software shall be supplied separately which can be loaded in separate PC for operation of chamber.
- The license to software shall be floating so that it can be used on backup PC in case of emergency.
- All wiring, cables, conduits etc. shall be arranged properly around the chamber such that it does not affect the man movement around the chamber.
- One set of Operation Manual with operating instruction illustrated with sketches of operating parts, parts list (with part codes), diagrams with list ratings of components and list of dos and don'ts for the main equipment as well as the sub-systems.
- These manuals should be in the form of hard (printed) copy in English Language as well as in electronic storage form (disc, pen drive etc.).
- Any protection/isolation devices deemed necessary, shall be included.

### Safety Features

Machine shall have at least following safety features:

- a. Spike Arrester
- b. Protection against single phase, phase reversal, overvoltage, under-voltage, over travel, over temperature etc.
- c. Emergency Stop

### Service Support

The Bidder is required to have a service support set up in India in preferably vicinity to ICAT with sufficient trained manpower.

The Bidder shall commit a maximum response time of 48 hours, which means that in case of any breakdown within 48 hours, the Bidder's personnel should reach the site, assess the cause of the breakdown, take necessary action to resolve the issue and submit the corrective actions schedule.

Successful bidder must provide onsite repair (all type of repairs) for the supplied equipment include all type of expenditure incurred for same.

The bidder shall also provide a direct contact point to be used for Service Support, should ICAT require to, anytime during the equipment lifetime.

## **TRAINING & AFTER SALES SUPPORT**

### **Installation and commissioning training**

- During Acceptance of the facilities at ICAT, ICAT team irrespective of number of persons shall be trained on the job. This shall include:
- Operational training with basics and functioning of the system, system design and the flow schematics, system functions, operation and trouble shooting.
- Maintenance training for maintenance of the system and Utilities interface.
- The duration of training shall not be less than 2 days.

### **Technical Support/After Sales Support**

The bidder shall provide the technical support in case of any fault/breakdown of any component of equipment. Also, after the expiration of warranty period, the bidder must be capable for handling Comprehensive AMC of complete equipment

## **B. FINANCIAL BID**

- i. The Bidders shall quote for the entire Works such that the total contract value covers all its risks, obligations and liabilities set out in or to be reasonably inferred from this Tender Document including but not limited to matters in respect of the delivery up to site, insurance, freight costs, interface management, detailed design, detailing, coordination, value engineering, specialist system procurement, provision, erection and/or installation, testing, commissioning, documentation, training, defects remediation and related works.
- ii. The prices shall be quoted F.O.R - Manesar (Gurugram) in Indian Rupees. The amounts shall be quoted in figures and words and in case of inconsistency, the words shall prevail.

## **12. Payment Terms:**

- 60 % of the total contract price shall be paid within fifteen [15] days from the receipt of equipment at site, in good condition.

- 20% of the total contract price shall be paid against successful installation & commissioning.
- 20% of the total contract price shall be paid after acceptance.

**Note: Above payments will be released by ICAT only after receipt of PBG @5% of the contract value within 15 days from the issue of LOI/contract/PO as per clause no. 19.1 of this ATC and confirmation of above payment milestones. Further the payment mentioned above are subject to deduction of all statutory taxes i.e. TDS, WCT, GST, Service Tax etc. as applicable.**

13. ICAT does not bind itself to accept the lowest tender/bid and reserves the right to reject or accept any or all the tenders/bids received without assigning any reason whatsoever.
14. Canvassing in connection with tenders/bids is strictly prohibited and the tenders/bids submitted by the bidder/bidders who resort to canvassing will be liable for rejection on that ground alone.
15. The bidder(s) must declare in writing that neither he nor any of their Directors/Partners are in anyway related to any officer in the ICAT as per format given in Declaration 1 under Annexure VIII.
16. EMD shall be forfeited in favor of ICAT in case the Bidder:
  - 16.1 Without the written consent of ICAT, has withdrawn its Bid during the validity period of the Bids and any extensions thereto.
  - 16.2 After opening of the financial bid, alters the quoted rates/conditions in the Bid.
  - 16.3 Fails to provide /furnish the Performance Bank Guarantee within stipulated period mentioned in the Letter of Acceptance.
  - 16.4 Does not reply to any queries that may be raised after opening of technical/financial bids.
  - 16.5 If the bidder does not accept the corrections made by ICAT to its Bid Price pursuant to "Examination of Financial Proposal and Correction of Arithmetical Errors".
17. The validity period of the bids shall be 180 days from the date of submission of bids. This period may be extended suitably. In case of the extension of the Bid validity period, the validity of the Earnest Money Deposit shall be extended for a further period.

## **18. Bid Evaluation Process**

The bidding evaluation process will be as follows:

### **A. Technical Bid Opening:**

- a) Technical bids shall be opened virtually through GeM. After opening of the technical bids, the same will be forwarded to the concerned technical committee for evaluation of the bids.

### **B. Technical Bid Evaluation**

- a) During the technical bid evaluation process, ICAT may ask clarifications to the bidder through E-mail/Fax, for confirming and consolidating their technical offers.
- b) All such clarifications are required to be answered by the bidder by E-mail/Fax, within the time specified by ICAT. The signed copies of the same need to be uploaded on GeM and shall be deemed to be part of

the tender documents.

- c) All valid bids shall be evaluated to arrive at Technical Score and the technically qualified bids shall be determined, as specified in “Annexure XV - Evaluation Parameters”.

### **C. Financial Bid Opening**

- a) The Financial Bids of all the technically qualified Bidders shall be opened on GeM virtually.
- b) No Bidder shall be allowed to propose/carry out any revision / correction / modification in his Price Bid offer. Only ICAT can ask for such revisions from all, in view of the boundary conditions like change in the scope of supply etc. during the technical bid evaluation period.
- c) No bidder shall contact ICAT on any matter relating to their tender during the whole tendering process i.e. from submission of bids to award of work. If the bidder wishes to bring additional information to the notice of the ICAT, shall be done in writing. However, all bidders are strictly advised to furnish all material information in the tender/ bid itself via a separate document.
- d) Any effort by a bidder to influence ICAT in its decision on tender evaluation, tender comparison or purchase order decision will result in rejection of the bidder.

### **D. Determination of the Successful Bidder**

- a) The Lowest financial bid of the technically qualified bids shall be deemed as the successful Bidder (“**Successful Bidder**”).
- b) In case, the Financial Bid offered by such Bidders are equal, then the Successful Bidder shall be determined by GeM on random basis.
- c) However, ICAT does not undertake to accept the lowest or indeed any bid, in all the above cases.

### **19. PERFORMANCE BANK GUARANTEE**

- 19.1 Within **fifteen** [15] days from the date of acceptance of the LoA, the Successful Bidder shall execute a Performance Bank Guarantee as per Annexure XI, from any branch at Delhi/NCR of Indian scheduled Bank, for an amount equivalent to the 5% of the contract value, which shall be kept valid for the entire period of warranty. The PBG shall be made in INR only.
- 19.2 The Performance Bank Guarantee of the Successful Bidder will be invoked and forfeited if the Successful Bidder fails to comply with the conditions of Contract.
- 19.3 The above Bank Guarantee to be issued/endorsed by any branch of Delhi/NCR and should be consisting of Full Address of the bank along with contact details i.e. name, contact no., fax no. & e-mail id of the responsible person issuing the BG
20. ICAT reserves the right to accept or reject any tender, and to annual the tendering process and reject all tenders at any time, prior to award of work without assigning any reasons for such acceptance/rejection without thereby incurring any liability to the affected bidder or bidders or any obligations to inform the affected bidder or bidders of the grounds for the ICAT’s action.
21. ICAT will award the contract to the successful bidder determined to be in conformity with the tendering document and who has offered the best – lowest bid, within the prescribed validity period of the tender.

22. **Pre-delivery Inspection**

The following Pre-dispatch Inspection clause will form part of the contract placed on successful Bidder

- a. The Buyer's representatives may carry out Pre-Dispatch Inspection (PDI) of the equipment in order to check their compliance with specifications in accordance with its usual standard procedures. Upon successful completion of such PDI, the Seller and Buyer will issue and sign a Certificate of Conformity.
  - b. Seller shall intimate the Buyer at least 45 days before the scheduled date of PDI. The time required for completing visa formalities (if applicable) by the Seller should not be included in this notice. The Buyer will send his authorised representative(s) to attend the PDI.
  - c. The list of Buyer's representatives together with their particulars including name, title, date and place of birth, passport numbers including date of issue and date of expiry, address, etc. must be communicated by the Buyer at least 15 days in advance to apply for the necessary authorisations and clearances to be granted.
  - d. The Buyer reserves the right not to attend the PDI or to request for postponement of the beginning of the PDI by a maximum of fifteen (15) days from the date fixed for such PDI in order to allow his representative(s) to attend such tests, in which cases he shall inform in writing the Seller within 15 days before the date of the beginning of the PDI. Should the Buyer request for such postponement, liquidated damages, if any, shall not apply for that period. In case Buyer does not elect to attend the PDI, the Buyer shall intimate the Seller in writing that it does not wish to attend the PDI.
  - e. Seller shall provide all reasonable facilities, access and assistance to the Buyer's representative for safety and convenience in the performance of their duties in the Seller's country. The seller should bear the testing charges for samples (if applicable). All costs associated with PDI at suppliers premises shall be borne by seller except travel expenses, boarding and lodging, accommodation, daily expenses.
  - f. All costs associated with the stay of the Buyer's Representative(s) in the country where the PDI is to be carried out, including travel expenses, boarding and lodging, accommodation, daily expenses, shall be borne by the Buyer.
23. The product offered must not be classified as "end-of-life" or "end-of-sale" as of the date of delivery. If such parts are found End-Of-Life until delivery, then it will be our responsibility to replace with newer and higher compatible parts along with implementation at no cost to the International Centre For Automotive Technology (ICAT). The bidder must continue their service/operational support for any upgradation until 10 years after date of supply, with continuous availability of spare parts, software updates, and technical support, as provided by the respective manufacturers.
24. **Integrity Pact:** The Parties hereby commit to uphold the principles of transparency, fairness, and integrity in the execution of this Agreement. The Contractor/Supplier agrees not to engage in any corrupt, fraudulent, collusive, or coercive practices during the course of the contract.
- The Contractor/Supplier shall not offer, give, or agree to give to any person, directly or indirectly, any gift, gratuity, commission, or other thing of value as an inducement or reward in relation to the award or execution of this contract. The Parties acknowledge that a breach of this clause shall constitute a material breach of contract and may result in termination, blacklisting, or legal action as deemed appropriate by the Client/Authority
25. **Unsatisfactory Performance:** The bidder herein agree that ICAT shall have sole and discretionary right to assess the performance(s) of the Bidder equipment(s), either primary and or final, and ICAT, without any liability whatsoever, wither direct or indirect, may reject the system(s) / equipment(s) provided by the Bidder, in part or in its entirety, without any explanation to the Bidder, either during the pre and or post test period should the same be unsatisfactory and not to the acceptance of ICAT. The Bidder covenants to be bound by the decision of ICAT without any demur in such an eventuality.
26. **Termination of Contract:** If the performance of the vendor is not satisfactory in timely delivery of item or quality of product delivered then the same will be informed in writing by ICAT as warning letter and if in spite of issue of

warning letter, the items are not delivered or quality of delivered product is not satisfactory as per expectation of ICAT within a fortnight then second warning letter will be issued.

If after issue of second warning letter also performance doesn't satisfy ICAT expectation or product not delivered, then ICAT reserves the right to terminate the work order by giving one-month notice in writing without assigning any further reason whatsoever.

After the contract becomes null and void the amount deemed payable to the vendor (if any) will sine die without any further payment. No further claim from the vendor will be entertained. After the contract comes to an end the vendor will withdraw their service/equipment from ICAT premises within a month.

Decision of competent authority of ICAT regarding determining the performance will be final.

27. Confidential Information: ICAT and Selected Bidder shall keep confidential and not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of contract.
28. Any Dispute/Difference arising out of or relating to this tender: In case any dispute arises between ICAT and the other party due to any term or matter, both the parties will opt to resolve it through mutual understanding and discussion. In case, dispute remains even after discussions, then it shall be binding upon parties to resolve issues under the provisions of Arbitration & Conciliation Act, 1996 as amended from time to time. Under this provision, Director, ICAT with the concurrence of both the parties shall appoint Sole Arbitrator to resolve the issue and both the parties will have to abide by the decision. The parties will bind to resolve this dispute through arbitration before going to court of law. The Arbitration shall be conducted at Gurugram and shall be in English Language. The court of Gurugram shall have the jurisdiction.

As per the Guidelines of Arbitration & Mediation in Contracts of Domestic Public Procurement issued by The Department of Expenditure Procurement Policy Division under Ministry of Finance, Govt. of India through OM No. F.1/2/2024-PPD dated 03.06.2024, the arbitration shall be restricted to disputes with a value less than Rs. 10 crore. This figure is with reference to the value of the dispute (not the value of the contract, which may be much higher). In all other cases where value of dispute is above 10 crore, arbitration will not be a method of dispute resolution in the contract.

29. The tender document is not an offer and is issued with no commitment. ICAT reserves the right to withdraw this notice inviting tender or vary any part thereof at any stage. ICAT further reserves the right to disqualify any bidder, should it be so necessary at any stage. ICAT reserves the right to reject any or all the tenders, wholly or partly without assigning any reason thereof and shall not be bound to accept the lowest tender.
30. Law of the Republic of India are applicable to this tender.
31. Force Majeure: Force Majeure is herein defined as any cause, which is beyond control of the selected Bidder or the ICAT as the case may be which they could not foresee or this a reasonable amount of diligence could not have foreseen, and which substantially affect the performance of the Contract, such as :
- Natural phenomena, including but not limited to floods, droughts, earthquakes, epidemics; Acts of any Government, including but not limited to war, declared or undeclared, priorities, quarantines, embargoes; Terrorist attacks, public unrest in work are Restriction, Freight Embargo; provided either party shall within ten (10) days from the occurrence of such a cause notify the other in writing of such causes. The Bidder or the ICAT shall not be liable for delay in performing his/her obligations resulting from any Force Majeure cause as referred to and/or defined above.
32. In case the tender document submitted by the bidder, has deviations from the specifications or terms and conditions prescribed in this tender, the bidder shall describe them separately and prominently as per Annexure XIV, ICAT reserves the right to reject the tender having deviations from the prescribed terms and conditions.
33. It will be the sole responsibility of the bidder alone to execute the entire contract awarded to them.

34. Prior to the submission of the tender, the bidder's authorized representative shall personally inspect the premises of ICAT, Manesar at their own cost and under prior intimation. This is necessary to enable the bidder to gather all the information, to prepare the tender accurately after taking into consideration all the relevant factors. Submission of the tender will, therefore, be considered as meeting the requirements of bidder having fully read and understood the tender document and the scope of work prescribed therein.
35. The bidder will submit the undertaking that they are fully acquainted with terms, clauses and conditions, specification, circumstances and the suppliers under which the services are required against the contract.
36. The Courts of India at Gurugram will have exclusive jurisdiction to determine any unresolved dispute(s) with respect to this contract.
37. The bidder shall not be allowed to sub-contract any part of the contract without the prior consent of ICAT, Manesar. If such consent is given, this shall not relieve the bidder from any liability or obligation under the contract and they shall be responsible of the acts/ defaults and negligence of any such unauthorized engagement of sub-contractors, his agents or workmen as if they were the acts, defaults or neglects of the bidder, agents or workmen.
38. Restrictions on procurement from a bidder of a country which shares land border with India
- Bidders to comply with Rule 144 (xi) of GFR 2017 (refer Office Memorandum of Department of Expenditure dated 23rd July 2020.  
(<https://doe.gov.in/sites/default/files/OM%20dated%2023.07.2020.pdf> )
39. In case of any ambiguity/dispute in the interpretation of any of the clauses/ terms and conditions Director, ICAT's interpretation of the clauses/ terms and conditions shall be final binding on all the parties. The jurisdiction of arbitration shall be Manesar.
40. Notwithstanding whatsoever stated above and in case of any controversy regarding the scope of work or any other terms and conditions of this tender, the decision of the ICAT, Manesar shall be final and binding in this regard.
41. **Fraud and Corruption:** The bidders, suppliers and contractors shall observe the highest standard of ethics during bidding and during performance of the contract. For the purposes of this provision, the following acts shall be considered as corrupt and/or fraudulent practices.
- "Corrupt Practice" means offering, giving, receiving, or soliciting directly or indirectly, of anything of value to influence the action of an official in the procurement process or in contract execution.
  - "Fraudulent Practice" means misrepresentation or omission of facts in order to execution of contract.
  - **"Collusive Practice" means a scheme or arrangement between two or more bidders, with or without the knowledge of the purchaser, designed to establish bid prices at artificial, non-competitive level.**
  - "Coercive Practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process or in execution of a contract.

- During the process of evaluation of a bid or proposal for award of a contract, if it is detected that a bidder directly or through agent has engaged in corrupt, fraudulent, collusive or coercive practice in competing for the contract in question, then a) the bid shall be rejected and b) declare the firm ineligible for a specific period or indefinitely to participate in a bidding process.
- **Bidders may note that GeM is capturing and showing the IP addresses used by the Buyer and Bidder(s)/Seller(s). Bids submitted from IP addresses that are identical to or shared with other Bidders/Sellers shall be deemed invalid and automatically disqualified from further evaluation.**

42. **Collusive Bidding or Bid Rigging or Cartelization:** The Bidder(s) acknowledges and agrees that any form of bid rigging, cartelization, or coordination among bidders, aimed at manipulating the bidding process or prices, is strictly prohibited. In the event of any evidence or suspicion of collusion, bid rigging, or cartel behavior, the Tendering Authority reserves the right to reject the bid(s) and take appropriate legal action, including but not limited to debarment from future tenders and reporting to relevant authorities. Bidders are required to submit their bids independently, without any undue influence or agreement with other participants in the tender process.
43. **Relaxation in Prior Turnover and Experience (refer Minimum Eligibility Criteria) :** ICAT, at its sole discretion, may relax the requirements of prior turnover and prior experience for start-up enterprises recognized by the Department for Promotion of Industry and Internal Trade (DPIIT), provided that such entities fully comply with all quality standards, technical specifications, and performance criteria as specified in the tender documents. Such start-ups may be MSMEs or otherwise. Only registered Micro and Small Enterprises (MSEs) and DPIIT-recognized start-ups shall be considered for relaxation under this provision. Any such relaxation shall be strictly conditional upon the enterprise's demonstrated capability to meet all functional, operational, and contractual requirements of the tender. This relaxation shall be applied in accordance with the provisions of applicable government policies and shall not compromise adherence to the tender's prescribed technical, quality, or performance requirements. ICAT's decision in this regard shall be final and binding.

## Special Conditions of Contract

The table below provides Special Conditions of Contract for this Tender Document. The following clauses under this Special Conditions of Contract (SCC) complements to the corresponding clauses in the Tender. Whenever there is a conflict, the provisions herein shall prevail over those in the tender.

Item	Data
Terms of Payment	As per clause 12 of Annexure III
Payment Schedule	As per clause 12 of Annexure III
Warranty Period, counted from Acceptance	2-year onsite warranty includes of parts
Liquidated Damages	In the event of seller's failure to deliver the goods/equipment as per date/dates specified in the contract, ICAT may deduct from the seller as agreed, Liquidated Damages @ 0.5% of the Contract Sum of the delayed supplies for each week or part of a week for which the delay has occurred, subject to maximum of 10% of the Contract Sum.
Performance Bank Guarantee (PBG)	Within fifteen [15] days from the date of acceptance of the PO, the Successful Bidder shall execute a Performance Bank Guarantee (format of PBG shall be as per Annexure XI of this ATC), from any branch at Delhi/NCR of Indian scheduled Bank, for an amount equivalent to the 5% of the contract value to cover the delivery period as well as warranty period. The PBG shall be made in INR only.
Address For Recipient's Communications	Purchase Department International Centre for Automotive Technology Plot No # 26, Sector-3, HSIIDC, IMT Manesar, Gurgaon- 122050
Limit on Percentage of Subcontractor's part	NA
Method of Bid Evaluation	Segregated

**VENDOR INFORMATION FORM (VIF)**

<b>1</b>	<b>Name of the Bidder</b>	
<b>2</b>	<b>Address of the Bidder</b>	
<b>3</b>	<b>Contact Details of the Bidder</b>	
	<b>Telephone No. With STD Code</b>	
	<b>Fax No.</b>	
	<b>Mobile No.</b>	
	<b>E-mail ID &amp; Website if any</b>	
<b>4</b>	<b>Nature of Business (Product/Services)</b>	
<b>5</b>	<b>Name of Proprietor/Partners/Directors of Firm/Agency</b>	
<b>6</b>	<b>Company Establishment Year</b>	
<b>7</b>	<b>Whether registered with NSIC/Startup/MSE/SSI (Please enclose relevant self-attested photocopy of Certificates)</b>	
<b>8</b>	<b>Bidder Bank Details (Please attached cancelled cheque):</b>	
	<b>Name of Account Holder</b>	
	<b>Account Type (Current/Savings)</b>	
	<b>Complete A/c No.</b>	
	<b>Name of Bank</b>	
	<b>Name of the Branch with Complete Address</b>	
	<b>IFSC Code of the Branch</b>	
	<b>9 Digit MICR Code of the Branch</b>	
<b>9</b>	<b>Legal status of the bidder such as Company, partnership/proprietorship concern, etc.</b>	
<b>10</b>	<b>GST Registration No.</b>	
<b>11</b>	<b>Permanent Income Tax Number (PAN) No.</b>	

(Seal of Organization & Signature of Authorized Signatory)

Date

**CHECKLIST FOR MINIMUM ELIGIBILITY CRITERIA**

Sl. No	Information Sought	Type of Proof	Page No. of the bid doc.
1.	Date of Establishment/Incorporation		
2.	Company Status (Prop. /Partnership/Pvt. Ltd. Co./Public Limited Co./PSU/Govt)		
3.	PAN No. of the firm (Enclose self-attested photocopy)		
4.	GST Registration No. (Please enclose self-attested photocopy of certificate)		
5.	Proof of Experience as per Annexure II		
6.	Proof of Turnover for the last three financial years 2022-23, 2023-24 & 2024-25 as per Sr. no. 6 of Annexure-II		
7.	Proof of References as per Sr. no. 4 of Annexure-II		
8.	Self-attested photocopies of Income Tax Return (I.T.R) for the last 3 years (i.e. 2022-23, 2023-24 & 2024-25)		
9.	Declarations and undertaking to be submitted as per Annexure VIII & XII		

Signature of the authorized person

Name:

Seal:

Date:

Place:

**ACCEPTANCE FROM THE BIDDER**

I have gone through the terms and conditions of the tender documents and the same acceptable to us. I have given the price bid/ tender after confirming the nature of work in ICAT, Manesar.

Place:

Signature:

Date:

Name of the Proprietor:

Seal:

**Enclosures:**

Copies of the documents duly signed & stamped tick marked as ( ) hereunder, have been attached:

- ( ) 1. ICAT's Tender Document duly signed & stamped
- ( ) 2. Undertaking as per Annexure XII.
- ( ) 3. Declaration 1, 2, 3,4 & 5 as per Annexure-VIII.
- ( ) 4. Copy of three years latest Income Tax Return/ Clearance Certificate.
- ( ) 5. Financial Bid.
- ( ) 6. Any other document which has been missed as per tender requirement. (Please Specify).

*{Format for each of the Declarations & Undertaking to be typed on bidder's letter head separately and to be submitted in Part –I (TECHNICAL BID) of the tender document}*

**DECLARATION -1**

This is to certify that neither we/any of us/ are/is in anyway related to any employee in the International Centre for Automotive Technology (ICAT).

Dated :

Place :

(Signature of the bidder with seal/ rubber stamp)

**DECLARATION -2**

We hereby declare that we have not stipulated any extra condition along with the Part-II (COMMERCIAL BID) of the tender and the terms and conditions in Part I and Part II of the tender shall prevail under all circumstances.

Dated :

Place :

(Signature of the bidder with seal/ rubber stamp)

**DECLARATION-3**

I/We having our office as mentioned below and declare that I/we have never been blacklisted/De-registered/debarred by any Departments/Ministries of the Govt. of India or of any State Government, PSU or Any Reputed Private Organization/Institution in India, for which we have executed/undertaken the works/services during the last 3 Years

Signature :

Name :

Designation :

Name of the Bidder :

Address of the Bidder :

Date :

Place :

### **DECLARATION-4**

(Declaration regarding Make in India)

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017 & P-45021/2/2017-PP (BE-II) dated 28.05.2018, we hereby certify that we M/s \_\_\_\_\_ (supplier name) are local supplier meeting the requirement of minimum local content (\_\_\_\_\_% ) as defined in above orders against Tender/Enquiry No. \_\_\_\_\_

Details of location at which local value addition will be made is as follows:

\_\_\_\_\_

\_\_\_\_\_

### **DECLARATION-5**

(Declaration regarding compliance of Rule 144 (xi) of GFR 2017)

“I/We have read the clause regarding restrictions on procurement/sub-contracting from an entity/natural person/agent/consortium/Joint venture having beneficial ownership in countries which share land border with India. I/We certify that neither we are not from such a country nor having any beneficial ownership from such a country. If I/We from such a country or having beneficial ownership, are registered with the competent authority. I/We hereby certify that we fulfill all requirements in this regard and are eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]”

Authorized Signatory

\* We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules and would be a ground for immediate termination and further legal action in accordance with law.

***Earnest Money Deposit (EMD)***  
**(To be executed on non-Judicial stamped paper of an appropriate value)**

To,

The International Centre for Automotive Technology  
Plot No. 26, Sector – 3,  
IMT, Manesar,  
Gurgaon,

Dear Sirs,

**WHEREAS**

(hereinafter called the “Bidder”) has submitted their offer dated \_\_\_\_\_ for  
\_\_\_\_\_ (hereinafter called the “Bid”) against the buyer’s request for Tender  
No. \_\_\_\_\_ KNOW ALL MEN by these presents that we  
\_\_\_\_\_ having our registered office at

\_\_\_\_\_ are bound onto International Centre for Automotive Technology having its office at Plot No.  
26, Sector-3, IMT Manesar, Gurgaon-122050 (hereinafter referred to as the “Buyer”) for the sum of Rs.  
\_\_\_\_\_ (\_\_\_\_\_) for which payment will and truly to be  
made to the said buyer, the bank binds itself, its successors and assigns by these presents.

The Bank hereby undertakes to pay under this guarantee, the Guaranteed Amount claimed by the Owner without any further proof or conditions and without demur, reservation, contest, recourse, or protest and without any enquiry or notification to the bidder merely on a demand from the Owner stating that the amount claimed is due to the Owner under the Contract. Any such demand made on the bank by the Owner shall be conclusive as regards the amount due and payable by the bank under this bank guarantee and the bank shall pay without any deductions or set offs or counterclaims whatsoever, the total sum claimed by the Owner in such Demand. The Owner shall have the right to make an unlimited number of demands under this bank guarantee provided that the aggregate of all sums paid to the Owner by the Bank under this bank guarantee shall not exceed the Guaranteed Amount.

The Guarantee will remain in force upto \_\_\_\_\_ after the period of tender validity and any demand in respect thereof should reach the bank not later than the above date.

Notwithstanding anything contained herein our liability under this bank guarantee shall not exceed Rs. \_\_\_\_\_ (\_\_\_\_\_). This bank guarantee shall be valid upto \_\_\_\_\_ and we are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if you serve upon us a written claim or demand on or before \_\_\_\_\_.

All claims under this guarantee will be payable at

\_\_\_\_\_. This guarantee will be returned to us as soon as the purpose for which it is issued is fulfilled or its expiry whichever is earlier. If we are not in receipt of this original bank guarantee within the stipulated period, it shall be deemed to be automatically cancelled unless extended further before expiry of validity.

**AND WHEREAS** one of the terms of the said tender is that you shall submit an EMD of Rs. \_\_\_\_\_ /-  
(Rupees \_\_\_\_\_ only) to the bidder.

Now, We \_\_\_\_\_  
(hereinafter referred to as 'Bank') having its registered office at \_\_\_\_\_  
\_\_\_\_\_ and branch office at \_\_\_\_\_  
\_\_\_\_\_ hereby irrevocably agree and undertake as follows:

1. That the said bidder shall submit the bank guarantee of Rs. \_\_\_\_\_ /- (Rupees \_\_\_\_\_ only) towards EMD.
2. That the said 'bidder' shall duly and faithfully carry out to your satisfaction its obligation under the said Tender failing which we hereby unconditionally and irrevocably guarantee to pay to you without reference to the said 'bidder' and without any demur, merely on demand from you stating that the amount claimed is due, all or any sums of monies up to a maximum of Rs. \_\_\_\_\_ /- (Rupees \_\_\_\_\_ only). Any such demand made on us by you shall be conclusive as regards the amount due and payable by us under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_ /- (Rupees \_\_\_\_\_ only).
3. We, the Bank, further agree that we shall accept the correctness of any claim that may be made by you without raising any objection of whatsoever nature irrespective of any dispute or difference between the 'bidder' and you and the statement so submitted by you shall be binding and conclusive on us. We hereby further unconditionally and irrevocably guarantee that the amount hereby guaranteed shall become due and payable on your serving us with a notice requiring of the said amount and the said notice shall be deemed to have been serviced on us if delivered by personal delivery or any other mode (i.e. Courier/Post/Fax/E-mail etc.) and the payment under this guarantee shall be made by us within three days from the date of receipt of such notice, without reference to 'bidder'.
4. We, the Bank, further agree that the guarantee herein contained shall remain in full force and effect during the period that will be taken against EMD or till you certify that the terms and conditions of the said Tender have been fully and properly carried out by the bidder and accordingly discharge the guarantee, whichever is earlier. Unless the demand or claim under this guarantee is made on us in writing on or before \_\_\_\_\_ shall be discharged from all liability under this guarantee thereafter.
5. We, the Bank, hereby agree that the decision of ICAT as to whether the bidder has failed to or neglected to perform or discharge his duties and obligations under the said tender shall be final and binding on the Bank.
6. We, the Bank, further agree that you shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said tender which is accepted by bidder or to extend time from time to time or to postpone for any time or from time to time the powers exercisable by you against the bidder and to forebear to enforce any of the terms and conditions of the tender and we shall not be relieved from our liability for any reason of any such variation or any extension granted to the said 'bidder' or for any forbearance or omission on your part or any indulgence by you to the said 'bidder' or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have the effect of relieving us.
7. The guarantee herein shall not be determined or become ineffective by reason of the fact or winding up, liquidation, dissolution or change of constitution or insolvency of the 'bidder' and/or bank but shall remain in full force and effect and shall be binding and operative till expiry of the period hereinafter specified.
8. We, the Bank, lastly undertake not to revoke the guarantee during its currency except with the previous consent of ICAT in writing.
9. We further agree that this guarantee shall be governed by Indian Law.



**FORMAT OF DECLARATION IN LIEU OF EMD/BID SECURITY**  
**(To be submitted on the Bidder's Letter Head)**

Bidder's Name.....  
.....  
.....

(Address and Contract Details)

Bidder's Reference No.....Date.....

To,  
The Director International Centre for Automotive Technology  
Plot No. 26, Sector-3, Near HSIIDC, IMT Manesar Gurgaon-122050

Reference: Tender Document No.....Tender Title:.....

Sir/Madam,

We, the undersigned, solemnly declare that:

We understand that according to the conditions of this Tender Document, bids must be supported by a Bid Securing Declaration in lieu of Bid Security.

We unconditionally accept the conditions of this Bid Securing Declaration. We understand that we shall stand automatically suspended from being eligible for bidding in any tender in ICAT for 1 Year (12 Months) from the date of opening of this bid if we breach our obligations under the tender conditions if we:

1. Withdrawn/Amend/Impair/Derogate, in any respect, from our bid, within the bid validity or
- 2 Being notified within the bid validity of the acceptance of our bid by the ICAT:
  - a) Refused to or failed to produce original documents for scrutiny or the required Performance Security within the stipulated time under the conditions of the Tender Document
  - b) Fail or refuse to sign the contract

We know that this bid Securing Declaration shall expire if the contract is not awarded to us,

upon:

1. Receipt by us for your notification
  - a) of cancellation of the entire tender process or rejection of all bids or

b) of the name of the successful bidder or

2. Forty-Five days after the expiration of the bid validity period or any extension to it.

(Signature with Date)

(Name and Designation)

Duly Authorized to Sign the Bid for and on behalf of (Name & Address of Bidder and Seal of Company)

Date on .....day of.....

Place.....

Key Notes:-

1. The Bidder have to submit EMD/Bid security for the value specified in the Bid Documents in the form of DD/NEFT/RTGS/BG.

ii. MSME registered with Udyog Aadhar and NSIC or Central Purchase organizations are exempted from EMD must submit signed 'Bid Security Declaration' as per format given (refer Annexure X of this ATC) on Firm/Company letter head. MSE or firms registered with the Central Purchase organizations are required to submit their registration certificates in support of their request for exemption from EMD along with Bid security Declaration. However, as per clarification issued by DC MSME vide office memorandum dated 25th March 2022, traders/Distributors/Sole agents/Work contracts are not eligible for benefits under MSME category.

iii. Non-submission of EMD as per Bid requirement or Bid Security Declaration along with supporting documents for exemption from EMD by MSE or other exempted bidders, will be treated as unresponsive and disqualified from further procurement process as per para 7.3.1(ii) of Manual for procurement of goods 2017.

**Proforma for Performance Bank Guarantee**

(To be executed on non-Judicial stamped paper of an appropriate value)

**WHEREAS International Centre for Automotive Technology (ICAT)** having its corporate office at Plot No. - 26, Sector – 3, HSIIDC, IMT - Manesar, Gurugram - 1220050, Haryana (India) (hereinafter referred to as “**The Owner**” which expression shall unless repugnant to the context includes their legal representatives, successors and assigns) has executed a contract on [*Please insert date of execution of Contract*] (“**Contract**”) with [*insert name of the Successful Bidder*] .....(hereinafter referred to as the “**Contractor**” which expression shall unless repugnant to the context include its legal representatives, successors and permitted assigns) for the performance, execution and implementation of the Works (“**Works**” shall have the meaning ascribed to it in the Contract) based on the terms & conditions set out in the Tender Documents number [*insert reference number of the Tender Documents*] dated [*insert date of issue of Tender Documents*].....and various other documents forming part thereof.

**AND WHEREAS** one of the conditions of the Contract is that the Contractor shall furnish to the Owner a Bank Guarantee from a scheduled bank in India having a branch at New Delhi for an amount equal to 5% (five percent) of the total Contract Sum (the amount guaranteed under this bank guarantee shall hereinafter be referred to as the “**Guaranteed Amount**”) against due and faithful performance of the Contract from the post-commissioning stage of the Works under the Contract, including the performance bank guarantee obligation and other obligations of the Contractor for the supplies made and the Works being performed and executed by under the Contract. This bank guarantee shall be valid from the date hereof up to the expiry of the Warranty Period including any extension thereof.

**AND WHEREAS** the Contractor has approached [*insert the name of the scheduled bank*] (here in after referred to as the “**Bank**”) having its registered office at [*insert the address*].....and at the request of the Contractor and in consideration of the promises made by the Contractor, the Bank has agreed to give such guarantee as hereunder:-

- (i) The Bank hereby undertakes to pay under this guarantee, the Guaranteed Amount claimed by the Owner without any further proof or conditions and without demur, reservation, contest, recourse or protest and without any enquiry or notification to the Contractor merely on a demand from the Owner stating that the amount claimed is due to the Owner under the Contract. Any such demand made on the Bank by the Owner shall be conclusive as regards the amount due and payable by the Bank under this bank guarantee and the Bank shall pay without any deductions or set-offs or counterclaims whatsoever, the total sum claimed by the Owner in such Demand. The Owner shall have the right to make an unlimited number of Demands under this bank guarantee provided that the aggregate of all sums paid to the Owner by the Bank under this bank guarantee shall not exceed the Guaranteed Amount.
- (ii) However, the Bank’s liability under this bank guarantee shall be restricted to an amount not exceeding [*figure of Guaranteed Amount to be inserted here*]..... only).
- (iii) The Owner will have the full liberty without reference to the Bank and without affecting the bank guarantee to postpone for any time or from time to time the exercise of any powers and rights conferred on the Owner under the Contract and to enforce or to forbear endorsing any powers or rights or by reasons of time being given to the Contractor which under law relating the Surety would but for the provisions have the effect of releasing the surety.
- (iv) The rights of the Owner to recover the Guaranteed Amount from the Bank in the manner aforesaid will not be affected or suspended by reasons of the fact that any dispute or disputes have been raised by the Contractor and /

or that any dispute(s) are pending before any office, tribunal or court in respect of such Guaranteed Amount and/or the Contract.

- (v) The guarantee herein contained shall not be affected by the liquidation or winding up, dissolution, change of constitution or insolvency of the Contractor but shall in all respects and for all purposes be binding and operative until payment of all money due to the Owner in respect of such liability or liabilities is affected.
- (vi) This bank guarantee shall be governed by and construed in accordance with the laws of the Republic of India and the parties to this bank guarantee hereby submit to the jurisdiction of the Courts of New Delhi for the purposes of settling any disputes or differences which may arise out of or in connection with this bank guarantee and for the purposes of enforcement under this bank guarantee.
- (vii) All capitalized words used but not defined herein shall have the meanings assigned to them under the Contract.

NOTWITHSTANDING anything stated above, the liability of the Bank under this bank guarantee is restricted to the Guaranteed Amount and this bank guarantee shall expire on the expiry of the Warranty Period under the Contract. Unless a Demand under this bank guarantee is filed against the Bank within six (6) months from the date of expiry of this bank guarantee all the rights of the Owner under this bank guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities hereunder. However, if the Contractor's obligations against which this bank guarantee is given, are not completed, or fully performed by the Contractor within the period prescribed under the Contract, the Bank hereby agrees to further extend the bank guarantee for further periods of six months each till the Contractor fulfills its obligations under the Contract.

We have the power to issue this bank guarantee in your favor under Memorandum and Article of Association and the Undersigned has full power to do so under the Power of Attorney dated [*date of power of attorney to be inserted*] .....granted to him by the Bank.

Date:

**Details of the Bank Official:**

Name of the Bank Official:

Address of the Bank:

Contact No.:

Fax No.

E-mail ID:

Corporate Seal of the Bank

By its constituted Attorney Signature of a person duly authorized to sign on behalf of the Bank

**UNDERTAKING**

This is to certify that we have carefully gone through the scope of work, job requirement, terms and conditions given in the tender documents & have clearly understood the terms & conditions of the tender and have accordingly quoted our balanced rates after going through all details. We hereby give an undertaking that we shall the material & services in accordance with your Tender No. \_\_\_\_\_, dated \_\_\_\_\_ as per the requirement during the period of contract.

Dated :

Place :

(Signature of the bidder with seal/ rubber stamp)

**DETAILS OF MAJOR CONTRACTS**

Details of major contracts with Central Government, State Governments, PSUs/ Nationalized Banks/Reputed Private Firms handled by the Bidder for Supply of Walk-in Environmental Chamber during the last five (5) years in the following format (attested copies of the PO's and completion certificates may be enclosed).

Sr. No	Details of client along with address, contact details (telephone, email, website, fax etc)	No. of projects executed	Amount of contract (Rs. lakh per year)	Duration of contract	
				Order received date	Date of Supply & I&C
1.					
2.					
3.					
4.					
5.					

(If the space provided is insufficient, a separate sheet may be attached)

Signature of authorized person

Date:

Name:

Place:

Seal:

## **Deviations Suggested**

*[The Bidder must declare and justify here any modification or improvement to the Conditions of Contract proposed to in the interest of ICAT. Such suggestions should be concise and to the point. In case, the Bidder does not want to suggest any deviation, this section must contain a statement indicating “No Deviation Suggested”]*

*[The Bidder shall use the following template in order to explain the deviations, and fill and include in the current document as many templates as deviations appear in his offer with regards to Requirements expressed in this tender. The Bidder shall be required to furnish a separate sheet as per the following template for each deviation suggested.]*

<b>Requirement ID (as specified in the Form d0 - Checklist):</b>	<i>[Requirement ID (or range of IDs) this deviation is referring to on the checklist]</i>
<b>Subject</b>	<b>Minimum Requirement appearing on the Checklist and TCC</b>
	<i>[Please copy the requirement on the TCC or Checklist d0 form]</i>
<b>Proposed Specification</b>	
<i>[Explain in detail what alternative solution are you proposing]</i>	
<b>Reasons for the proposed solution to be superior than initial requirement</b>	
<i>[Give clear reasons why you think the proposed solution is better than the Requirement expressed in TCC and Checklist]</i>	

**Form “XV”**  
**Declaration In Respect of Conflict of Interest**

**Tender No. ICAT/GeM/EEL/CWIEC/2025-26/240**

**Tender Detail: Supply, Installation, Testing & Commissioning (SITC) of Cyclic Walk-in Environmental Chamber (Min. Volume 20000 L) for the Battery Testing Facility in EEL at ICAT (Centre-II), Manesar, Haryana**

Sr. No.	Particulars		
1	Name of Firm		
2	Office Address Phone No. Fax No. Email ID		
3	Works Address as per Vendor Registration Phone No. Fax No. Email ID		
4	Type of Firm  Private Limited Company / Public Limited Company / Limited Liability Partnership (LLP) / Partnership Firm / Proprietor Firm <i>(Tick whichever is applicable)</i>		
5	CIN / LLPIN of Firm		
6	GST No. of Firm		
7	<b>Names of all Directors/LLP Partners/ Partners / Proprietors of Bidder Firm with DIN (if any)</b> <b>and</b> <b>full address (as on the bid submission date)</b>		
	Full Name	DIN	Full Residential Address


The details of Legal Representative / Agent of the Bidder Firm are as under:

Full Name of Legal Representative / Agent	
Whether employee of Bidder-Firm or not? (Yes/No)	
Designation	
Office Address	
Office Land-Line Nos.	
Mobile No.	
Email ID	
Whether acting as Legal Representative / Agent in any other Private Limited Company or Public Limited Company or Limited Liability Partnership (LLP) or Partnership Firm or Proprietor Firm? If yes, give names.	

**WE HEREBY DECLARE AND CONFIRM THAT** no bid has been submitted for the quoted item by any other Private Limited Company or Public Limited Company or Limited Liability Partnership (LLP) or Partnership Firm or Proprietor Firm in which any relative of any Director or Partner or Proprietor of Bidder Firm is a Director, Partner or Proprietor. The word “relative” is defined as under:

*The Companies Act, 2013 Sec 2(77) “relative”, with reference to any person, means anyone who is related to another, if—*

- (1) they are members of a Hindu Undivided Family;
- (2) they are husband and wife; or
- (3) A person shall be deemed to be the relative of another, if he or she is related to another in the following manner, namely:-
  - a. Father including step-father,
  - b. Mother including step-mother,
  - c. Son including step-son,

- d. Son's wife,
- e. Daughter,
- f. Daughter's husband,
- g. Brother including step-brother,
- h. Sister including step-sister.

**WE FURTHER DECLARE THAT** we have carefully read and understood the clause relating to 'Conflict of Interest' of Tender No. ICAT/GeM/EEL/CWIEC/2025-26/240. The detailed Clause is as under:

"A bidder shall not have conflict of interest with other bidders for particular quoted item. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process for particular quoted item, if:

- a) *they have proprietor/ partner(s)/ Director(s) in common; or*
- b) *they receive or have received any direct or indirect subsidy/ financial stake from any of them; or*
- c) *they have the same legal representative/ agent for purposes of this bid; or*
- d) *they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder; or*
- e) *bidder participates in more than one bid in this bidding process. Participation by a bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly/ assemblies from one bidding manufacturer in more than one bid.*
- f) *in cases of agents quoting in offshore procurements, 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. There can be only one bid from the following:*
  - 1. *The principal manufacturer directly or through one Indian agent on his behalf; and*
  - 2. *Indian/ foreign agent on behalf of only one principal.*
- g) *a Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid;*
- h) *In case of a holding company having more than one independently manufacturing units or more than one unit having common business ownership / management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business.*
- i) *Bidder shall not act in contravention/ violation to the provisions of competition act, as amended from time to time."*

We hereby certify that our Firm M/s. \_\_\_\_\_ do not have any conflict of interest with other bidders for this tender.

We hereby declare and confirm that the above information and particulars are true and correct.

For (Firm Name)

Signature of Director/Partner/Proprietor/Authorised Signatory

Authorised Signatory Name:

Place:

Date:

Stamp / Seal of Firm



**Form “XVI”**  
**Product Support Declaration**  
(To be submitted on Bidder Letter Head)

Letter No. \_\_\_\_\_

Date: \_\_\_\_\_

**To,**  
**The Purchase Officer**  
**International Centre for Automotive Technology**  
**Plot No. 26, Sector – 3, Near HSIIDC Office, IMT Manesar, Gurugram 122051 (Haryana)**

**Sub:** OEM Declaration

**Dear Sir,**

**Ref: Your ATC Reference No: Tender No. ICAT/GeM/EEL/CWIEC/2025-26/240**

**[Bidder’s Company Name]** hereby submits this declaration in response to the request for clarification regarding the products quoted in our tender submission for **“Tender No. ICAT/GeM/EEL/CWIEC/2025-26/240, “Supply, Installation, Testing & Commissioning (SITC) of Cyclic Walk-in Environmental Chamber (Min. Volume 20000 L) for the Battery Testing Facility in EEL at ICAT (Centre-II), Manesar, Haryana.”**

We affirm that all products included in our bid are **not** classified as end-of-life (EOL) or obsolete as of the date of delivery. If such parts are found End-Of-Life until delivery, then it will be our responsibility to replace with newer and higher compatible parts along with implementation at no cost to the International Centre For Automotive Technology (ICAT). These products will remain available and supported for a minimum period of 10 years after date of supply, with continuous availability of spare parts, software updates, and technical support, as provided by the respective manufacturers.

Should you require any additional documentation, clarifications, or further information pertaining to the support and lifespan of the quoted products, we are prepared to provide such details upon request.

We appreciate your consideration of our submission and look forward to the possibility of further collaboration on this project.

For M/s \_\_\_\_\_

Signature & company seal  
Name Designation  
Email  
Mobile No. .

**BID EVALUATION**

Technical bid shall be awarded points as per the following:

<b>Evaluation Parameter</b>	<b>Details</b>	<b>Marks</b>
<b>Equipment Specifications</b>	<b>Technical Specifications/Requirements</b> offered against the requirements spelt out in this tender	<b>40</b>
	<b>Equipment Compliance with the relevant Test Standard</b> (ISO/IEC/AIS or Industry specific Standard): Compliance Statement Required	<b>15</b>
<b>Service Support</b>	<b>Local Support</b> (Delhi NCR) Within NCR– 03 marks Outside NCR & within India- 02 marks	<b>3</b>
	<b>Response time</b> (48 Hours) Within 48 hours– 02 marks Above 48 hours- 00 marks	<b>2</b>
<b>Bidder's Past Experience</b>	<b>Similar Nature Project</b> (In Last 5 Years before bid submission) Less than 3 project– 0 marks 3-5 projects– 5 marks More than 5 projects- 8 marks	<b>8</b>
	<b>Experience (Nos. of Year)</b> 5 years (min.) – 3 marks > 5 up to 8 years– 5 marks More than 8 years- 7 marks	<b>7</b>
<b>Bidder's Capability</b>	<b>Financial Capability</b>	
	Average Annual Turnover of 6 Crores in the past 3 FY: 2022-23, 2023-24 & 2024-25 6 Crores (min.)- 5 marks > 6 Crores up to 12 Crores- 8 marks More than 12 Crores- 10 marks  <b>For MSE's/Startups</b> Average Annual Turnover of 4.2 Crores in the past 3 FY: 2022-23, 2023-24 & 2024-25 4.2 Crores (min.)- 5 marks > 4.2 Crores up to 8 Crores- 8 marks More than 8 Crores- 10 marks	<b>10</b>

	<b>Technical Capability</b>				
	<b>Project/Work Implementation Plan (Week-wise)</b>			<b>3</b>	
	<b>Utility Matrix (To gauge the bidder's preparedness, infrastructure alignment, and ability to meet project requirements) &amp; Equipment Footprint</b>			<b>2</b>	
<b>Bidder's Capability</b>	<b>Team Structure (Organogram/Hierarchy Chart)</b>			<b>1</b>	
	<b>Technical Manpower (Team's Capability)</b>			<b>3</b>	
	<b>Level</b>		<b>Numbers</b>		
	Engineer (Degree/Diploma)	1	2 to 3		3+
	Technicians (ITI/Helper)	2	2 to 3		3+
	<b>Marks</b>		<b>1</b>	<b>2</b>	<b>3</b>
<b>ISO Certification (QMS)</b>			<b>1</b>		
<b>Customer Feedback</b>	Minimum 2 Nos.: 02 marks >2 up to 4: 03 marks More than 4: 05 marks			<b>5</b>	
<b>Total Marks</b>				<b>100</b>	

**Note:**

1. The pass marks in Equipment Specifications shall be 55 points out of 55 points.
2. The minimum pass marks Overall shall be 80 points (80%) out of 100 points.
3. In the event of ambiguity in allocating marks for the Technical Manpower: team's capability (Bidder's Capability), higher-level manpower will be considered as fulfilling lower-level requirements. For example, if a bidder lists 2 Engineers and 1 ITI technician for the project team, marks will be allocated as if one Engineer is filling the role of an ITI technician, resulting in 1 mark.
4. ICAT reserves the right to give preference to the local supplier, MSME, or start-up as per prevailing government notifications and as revised from time to time

## **DISQUALIFICATION CRITERIA**

Any Bid failing in demonstrating any of the following shall be directly rejected:

1. Ability to fulfil the basic scope, as mentioned in Annexure-II “Eligibility Criteria”.
2. Capability of the Bidder Company/Agency/Entity for undertaking the assignment, by
  - 2.1 Not demonstrating relevant experience in the field of Supply & Installation of Climatic chambers.
  - 2.2 Not demonstrating technical capability/ expertise in the field of our requirement as per tender.
  - 2.3 Not having the necessary financial strength to cope with the order with sufficient guarantees.
  - 2.4 Not providing the necessary documents as per tender requirements.
  - 2.5 Not executed the projects w.r.t. our tendered scope with at least 3 projects handled by the Bidder during last five years.
3. Even if a single response is unsatisfactory from references submitted then the bidder shall be disqualified. Any internal references from NAB & its centres shall be deemed considered for the purpose of satisfactory reference even without being submitted in the bid.
4. Tenders with incomplete information, subjective and conditional offers as well as partial offers will be liable for rejection.
5. In addition to the above rejection criteria, if there is non-compliance of any of the clauses of this Tender Document, the Tenders are liable for rejection.
6. Bidder not complying to the provision of Rule 144 (xi) of GFR 2017 regarding restrictions on procurement from a bidder of a country which shares land border with India will be liable to rejection.
7. Bidder not complying to the provision of Department of Industrial Policy and Promotion (DIPP) order vide order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020 and as revised from time to time.
8. Additionally, ICAT could reject any Bid not fulfilling the essential parameters listed in the technical conditions of contract, should the supplier fail in justifying that the proposed solution is equivalent or better than the requested performance.