

फाईल सं०: 51-8 / PGC / GET / 12-197-B

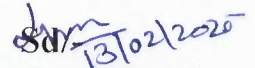
दिनांक: 13 / 02 / 2025

GeM के माध्यम से ई-खरीद हेतु सूचना
NOTICE FOR E-PROCUREMENT THROUGH GeM

Online GeM e- bid are invited from reputed Manufacturere/Supplier/Authorized dealer in two bid system (Technical and Financial) for purchase of scientific equipment **Plant Growth Chamber** on behalf of Director, ICAR-Indian Agricultural Research Institute, New Delhi. Please visit www.iari.res.in for details Rules and Regulation and log in www.gem.gov.in for online e-bidding.

जैम बिड का विवरण निम्नलिखित है / Details of Gem Bid are as follows:

जैम बिड संख्या / GeM Bid No.	GEM/2025/B/5943083
बिड जमा करवाने की तिथि एवं समय / Bid Submission start date and time	12-02-2025
बिड बंद होने की तिथि एवं समय / Last Date & Time for submission of bid	06-03-2025 16.00
बिड खुलने की तिथि एवं समय / Date & Time for opening of Technical Bid	06-03-2025 16.30


प्रशासनिक अधिकारी
Admn.Officer

Specifications for the “Plant Growth Chambers”

A. General Specifications:

Exact specification and detailed description of various system/accessories that will be provided in the model need to state clearly which must include` (but not limited to) the following:

- a. Exact plant Growth area.
- b. Exact plant Growth height
- c. Exact description of heating and cooling system
- d. Exact humidity range/uniformity/accuracy and humidifier type/model and description
- e. Exact description of Light type with Light Spectra to be attached and should be available on Website of OEM.
- f. Rate of AMC starting from first date of warranty expiry to be provided for at least 7 years, which should include two regular visit per year and breakdown visit as and when required.
- g. Without exact mention of specification details and description for all points (as asked) and exact image of the PGC model (being proposed) the presented model will be liable for disqualification in technical verification round.
- h. Mere copy pasting from the asked specification list (completely or partially) will definitely lead to disqualification in technical verification round if for all above requirements exact specification is not mentioned.
- i. All quoted prices must be inclusive of all accessories/requirements to fulfil all requirements, handling, transportation, installation charges, insurance and any other cost till site of installation.
- j. We reserve the right to accept or discard if any specification other than what has been mentioned is presented and also the validity of the document
- k. All documents/catalogue to prove the claims and descriptions needs to be furnished without which the claims will not be acceptable. The documents asked does not exclude other required documents, which are a part of standard procurement process in other government (including autonomous) organization. Complete Operation and Service manual with wiring diagram should be provided for the quoted system.
- l. Assurance for on-site physical verification (and repair if possible) by authorized technical person within 3-4 working days in case of any future complains about the equipment malfunction.
- m. Assurance of availability of any required spare part necessary for repair within short duration (like 15-20 days maximum). Minimum 10 years of service support to be confirmed.
- n. Power 220 volts Single phase, with Suitable Voltage Stabilizer.

- o. Warranty: 2 years DDP supply. (With Zero cost to IARI on parts, replacement/ service work on all supplied items).
- p. Required Accessories
 - 1. Suitable capacity of Voltage Stabilizer, Water purifier for RH System.
 - 2. Users list in academia/ Industry to be submitted along with year of supply, performance statement.
 - 3. Minimum Footprint of System shall be given preference. Demo if required on technical verification round bidder shall be demonstrated every technical parameter. Quoted model catalogue and picture should be same, references model and picture not accepted. Minimum Foot print / External Dimension is preferred to save lab space.

B. Technical Specifications:

1. Configurations: Plant Growth chamber should have the flexibility for multi-tier configurations for higher versatility.

2. Controller Features

- A. It should have a touchscreen interface with a high-resolution display
- B. It should have a capability for graphical or tabular visualization.
- C. **Security:** Multi-level password protection for user and technician access.

3. Refrigeration: It should have air-cooled system with hot gas bypass for efficient operations.

4. Temperature Control

- A. **Range:**
 - o +4°C to +40°C with lights off or better.
 - o +10°C to +40°C with lights on or better.
- B. **Precision:** ±0.5°C control at aspirated sensor.
- C. **Safety:** Plant Growth Chamber should have alarms or automatic reset functions.

5. Lighting:

- A. **Source:** LED with dimmable options.

- B. **Intensity:** Adjustable, ranging 350 $\mu\text{mol}/\text{m}^2/\text{s}$ or better.
- C. **Spectrum:** Broad-based spectrum/ PAR spectrum for plant growth.

6. Airflow Type: Plant growth chamber system should have adjustable airflow and fresh air circulation inside the chamber.

7. Humidity Control: System should have ultrasonic humidification and dehumidification.

8. Structural Specifications

- A. **Materials:** Shelving should be Stainless steel or aluminum.
- B. **Insulation:** CFC-free urethane or polystyrene insulation.
- C. **Shelving:** It should be accommodating varying growth heights (14-18 inches per tier) or better.
- D. **Doors:** Double reach-in doors with magnetic gaskets and light-tight seals.



9. Omitted.

10. Certifications

- A. ISO 9001:2015 certified manufacturing process.
- B. CSA/CE/UL safety certifications.

11. CO₂ additive and scrubbing systems.

12. Plant growth chamber should have extended temperature ranges.

 <p>भाकृ अनुप ICAR</p>	<p>पादप कार्यिकी संभाग DIVISION OF PLANT PHYSIOLOGY भा.कृ.अ.प.—भारतीय कृषि अनुसंधान संस्थान ICAR-Indian Agricultural Research Institute नई दिल्ली—110012 (भारत) NEW DELHI - 110 012 (INDIA)</p>	 <p>भारतीय कृषि अनुसंधान संभाग IARI 1928 उत्कृष्टता कृषि</p>
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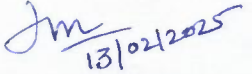
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शुद्धिपत्र
CORRIGENDUM

Tender for purchase of Plant Growth Chamber was floated on GeM portal on 12/02/2025 (vide Bid No: GEM/2025/B/5943083 dated 12/02/2025). It is informed that the **Pre-Bid meeting** for the same has been **scheduled on 20/02/2025 11.00 A.M** in the G.S Sirohi Conference Hall of Division of Plant Physiology, ICAR-IARI, New Delhi.

Therefore, interested bidders may attend the said meeting on the scheduled date and time.


13/02/2025
प्रशासनिक अधिकारी