

ICAR-CENTRAL INSTITUTE FOR COTTON RESEARCH
Regional Station, Coimbatore - 641003
Phone: 0422-2430045 Fax: 0422-2454021 Email:cicrcbe@gmail.com

F. No. ST-II/1-4/2018-19/2

Date: 31.07.2018

NOTICE INVITING TENDER THROUGH E-PROCUREMENT

Tenders are invited from the interested firms under two bids system for purchase of Environmental Growth Chamber at Central Institute for Cotton Research, Regional Station, Lawley Road Post, Coimbatore – 641 003.

Manual bids will not be entertained.

The tender documents may be downloaded from e-Procurement website of CPP <https://eprocure.gov.in/eprocure/app> and www.cicr.org.in as per the schedule as given in data sheet as under:

DATA SHEET

| | |
|---|--|
| Tender No | Ref : ST- II /1-4/2018-19/2 |
| Date and Time for issue / Publishing | 01.08.2018 18.00 hrs |
| Document Download / Sale start date and time | 02.08.2018 11.00 hrs |
| Bid submission start date and time | 01.08.2018 11.00 hrs |
| Bid submission end date and time | 21.08.2018 15.00 hrs |
| Date and time for opening of technical bid | 23.08.2018 11.00 hrs |
| Tender Fee | Rs.200/- |
| EMD Amount | Rs.17000/- |
| Tender to remain open for acceptance up to 120 days from the date of opening | |
| Financial bid to be opened separately under intimation to technically qualified parties | |
| Address for communications | The Project Coordinator and Head, ICAR-Central Institute for Cotton Research, Regional Station, Coimbatore – 641 003 |

TENDER FORM

I. GENERAL TERMS AND CONDITIONS FOR FURNISHING TENDERS:

Submission of Tenders:

1. Last date and time of receipt of Tender will be: **21.08.2018 (15 hrs)**.
2. **Processing fee:** Processing fee Rs.200/- (**non refundable**) should be furnished by DD drawn in favour of "The Project Coordinator and Head, CICR, Regional Station, Coimbatore".
3. Detailed specifications such as make and other distinguishing marks with respect to the standard/quality of the item(s) wherever necessary should be indicated in the tender.
4. **An amount of Rs. 17000/- (Rupees Seventeen thousand only)** as earnest money in the form of D.D. in favour of "The Project Coordinator and Head, CICR, Regional Station, Coimbatore" payable at Coimbatore should be enclosed along with all technical details and it is mandatory to keep along with the technical bid. However, no interest will be paid on earnest money. The bidders who are registered with the Central Purchase Organization, NSIC are exempted from it.
5. **The rates should be quoted as per the BOQ uploaded on the CPP portal (reference may be obtained from Annexure -II).** Taxes, if any, should be indicated separately.
6. The rate should be in Indian Rupees only and materials should be delivered at Freight on Board (F.O.B) destination (**Central Institute for Cotton Research, Regional Station, Marudhamalai Main Road, Lawley Road (Po), Coimbatore - 641 003**) and should include all charges such as taxes / packing, forwarding etc., including loading / unloading / installation and demonstration. The insurance charges, if any, are to be borne by the suppliers.
7. The rates quoted should be valid for 120 days from the date of opening tender.
8. The performance security (Security Deposit) @5% to 10% of the value of the item will be obtained from the successful bidder after confirmation of order. No interest will be paid on performance security.
9. Payment shall be made only after satisfactory supply-cum-successful functioning of the goods.
10. If the last date of receipt of tender is declared to be a holiday, the next working day shall remain valid for the purpose.
11. As the equipment/Instrument is urgently needed for our research work, the firms who will be able to make timely supply to **Central Institute for Cotton Research, Regional Station, Coimbatore – 3** should quote.

12. Instruments/Equipment will be purchased from only those parties, who can ensure and undertake to provide the satisfactory after-sales-service within the country. The supplier should also ensure to offer a complete detailed package on back up support, prompt commissioning, after-sales-service including workshop backup, timely supply of spares, timely repair of equipments, proper training to Scientists/Technicians on use.
13. Guarantee/Warranty period offered and after sales service available should be clearly mentioned.
14. The make, quality and specifications must be stated in detail as per details given by this office and should be supported by original phamlets.
15. **In case the supply order is awarded, the supply should be effected within (30 days) the stipulated period mentioned in the supply order.**
16. Other terms and conditions of supply, if any, may also be applicable.
17. The Director, CICR reserves the right to accept or reject one or all tenders without assigning any reason thereof.
18. In case, the successful bidder awarded tender shows inability at any stage, the earnest money / performance security deposited would be forfeited.
19. The bidders must certify that "The firm is not black listed by any of the Government Department / Agency" while submitting the tender.
20. The bids qualifying in all technical aspects shall alone be considered for financial aspects.
21. Arranging the installation and test running of the instrument / item at CICR, Regional Station, Coimbatore has to be done at the cost of supplier/agent for acceptance of the same.
22. Payment will be made through online transfer in favour of the firm/party only after receipt of the articles in satisfactory condition and demonstration of proper functioning of the equipment. The stamped pre-receipted bill (triplicate) is to be drawn in favour of "The Project Coordinator and Head, CICR, Regional Station, Coimbatore", **Advance payment is not permitted.**
23. Installation :- Within 30 days from the date of receipt of equipment in the institute failing which Liquidated Damage clause shall apply.
24. Liquidated damage clause: It would be realized @ 0.5%(half per cent) of the base price (excluding taxes) of the delayed goods for each week of delay subject to maximum 10%.
25. Tender Evaluation : Tender evaluation will be done as enumerated in Manual on Procurement of Goods (2017) and GFR – 2017.

INSTRUCTIONS FOR ONLINE BID SUBMISSION

1. The tender form / bidder documents may be downloaded from the website <https://eprocure.gov.in/eprocure/app> and www.cicr.org.in Online submission of bids through Central Public Procurement Portal (<https://eprocure.gov.in/eprocure/app>) is mandatory. **Manual / Offline bids shall not be accepted under any circumstances.**
2. Tenderers / bidders are requested to visit website <https://eprocure.gov.in/eprocure/app> regularly. Any changes / modifications in tender enquiry will be intimated by corrigendum through this website only.
3. In case, any holiday is declared by the Government on the day of opening, the tenders will be opened on the next working day at the same time. The Director, CICR reserves the right to accept or reject any or all the tenders.
4. The interested firms are required to deposit both **Tender fee of Rs.200/-** (Non refundable) and Earnest Money Deposit mentioned (EMD) amount of **Rs.17,000/-** (Rupees Seventeen thousand only) as two Demand Drafts separately drawn in favour of The Project Coordinator and Head, CICR, RS, Coimbatore payable at Coimbatore and addressed to the Project Coordinator and Head, Central Institute for Cotton Research, Regional Station, Coimbatore – 641 003 should reach this office on or before bid opening date and time as mentioned in the data sheet.
5. Bidders need not come at the time of Technical as well as Financial bid opening at ICAR-CICR. They can view live bid opening after login on CPP e-Procurement Portal at their remote end. If bidder wants to join bid opening event at ICAR-CICR then they have to come with bid acknowledgement slip that generates after successful submission of documents.

ANNEXURE - I

TECHNICAL BID FOR ENVIRONMENTAL GROWTH CHAMBER

(To be kept in separate envelop)

| | | |
|-----|---|--|
| 1 | Name of the Firm/Agency | |
| 2 | Full address with Tele. / Mob. No., Fax No., e-mail | |
| 3 | EMD of required amount (DD / No., date, Name of the Bank / Branch) | |
| 4 | Registration Certificate of the Firm / Company (Copy to be attached) | |
| 5 | Service Tax Registration No. (Copy to be attached) | |
| 6 | I.T.PAN No. / TIN No. (Copy to be attached) | |
| 7 | Proprietary Certificate / Authorized dealer certificate (Copy to be attached) | |
| 8 | GST Registration No. (Copy to be attached) | |
| 9 | Specifications Check List (Enclosed) | |
| 10. | Bank details for E-payment | |
| | a. Name of the Account holder / firm / Company (Payee's Account Name) | |
| | b. Nature of Account (saving / current) | |
| | c. Name of the Bank | |
| | d. Bank Account No. | |
| | e. Branch Address | |
| | f. IFSC Code of Bank / Branch | |
| 11. | Documentary proof for having experience in dealing with Government Institutions may be attached | |

1. I/We accept all terms and conditions and instructions given in this tender form issued by CICR, Coimbatore
2. The words "TECHNICAL BID" for supply of "**Environmental Growth Chamber.**" should be written clearly and prominently on this envelop along with tender.

Date: _____

Place: _____

AUTHORISED SIGNATORY (TENDERER)

SPECIFICATIONS FOR ENVIRONMENTAL GROWTH CHAMBER

❖ **Microprocessor PID Controller**

The system should be Microprocessor based PID controlled equipped with a touch – sensitive membrane type key pad to provide precise temperature, relative humidity and illumination control to maintain uniform and accurate growth environment. timer, alarm, auto tuning, auto start stop function should be inbuilt.

❖ **Programmable controller:** The system should have programmable controller to provide automatic operation of variable temperature, humidity and illumination value.

❖ **Capacity of chamber:** The capacity of the machine should be at least 800-900 Litres

❖ **Environmental Parameters:** Temperature range should be 0°C–60°C with an accuracy of 0.1~0.2 °C and uniformity of 0.5~1 °C for the entire range of temperature. Relative humidity should be from 30-90% with accuracy level of \pm 1%. Light should be 300 or more μ moles/sqm/s (or 10000lux or more)

❖ **Material of Construction:** The outer material of the chamber should be of powder coated steel and inner material of construction should be SUPEIOR QUALITY Stainless Steel. The inner doors should be made of tempered safety glass and not toxic material like acrylic.

❖ **Safety and Convenience**

Over temperature and current protection capability to ensure user safety, adjustable sliding rack, water level sensor should be standard

❖ **Self-Diagnostic Function**

The system should be capable of automatically checking any malfunction and produce a warning signal

❖ **Technical Design and Construction**

The system should have a silent fan motor to maintain uniform Temperature and Humidity.

❖ **Lamp-on-Delay System**

The system should have a Lamp-on-delay system to protect the samples from sudden changes in light intensity protects plants from stress by preventing sudden change of light strength.

❖ **Humidity Control**

The system should have an option for a Dual humidification system with ultrasonic and evaporation based humidity generation, both in the same machine. System should be coated with evaporation based humidity generation module.

❖ **Light Bank System**

The system should be equipped with a 8 step programmable lighting control from **the sides**, control from 0 to 20,000 Lux or equivalent micromoles.

❖ **Data Logger**

The system should be equipped with a remote data logger for constant logging of temperature, relative humidity and light intensity with an option to connect the data logger to a suitable computer system with core i7 processor for the graphical analysis of parameters.

❖ **Specific intensity LED lighting system**

The system should have an option for up-gradation of lamps to specific wavelength LED lights for future applications with PAR radiation and the costs of such lamps should be mentioned in the quote.

- ❖ **Essential accessories:** System should be supplied with a suitable high precision servo stabilizer and electronic stabilizer will not be acceptable
- ❖ **Warranty and others:** The system should come with a 2 year comprehensive warranty that include regular visit and “on call visit”.
- ❖ There should be at least three user satisfaction certificates attached with the bid of the same or similar model with the same specifications.
- ❖ Comprehensive user list with contact details of the user scientists should be submitted.
- ❖ Two to three order copies of the same model should be attached with the bid to verify that the quoted model has been previously ordered by a reputed government or any research organization in the past.

TECHNICAL SPECIFICATION:

| | |
|--------------------|--|
| Capacity | 800-900 Ltrs. |
| Temp. Range | 0°C to 60°C |
| Temp. Accuracy | ±0.1°C/Uniformity+ 0.5 ~ 1.0° C at 20°C |
| Humidity Range | 30% - 98% RH |
| Accuracy | ±1% / Uniformity +2% ~ 3% at 60% |
| Sensor | Electronic Sensor |
| Humidifier | Evaporation based humidification system |
| Controller | Microprocessor PID Program Controller |
| Display | LCD Back Light PV & SV Display |
| Illumination Range | 0 – 20,000 Lux |
| Lamp | FL 40W X 15 EA |
| Bank | 3 side wall with water proof tube |
| Sensor | Photo Sensor with Flexible Cable |
| Material (Inner) | Stainless Steel |
| (Outer) | Powder Coated galvanised Steel |
| Door (Inner) | Tempered Safety Glass with Silicon packing |
| (Outer) | 3 side Magnetic Packing Door with Light Bank |
| Safety | Over Temp, Cut-Off, over current Breaker |
| Electric Supply | 220V, 50Hz |

Annexure – II

(Reference for BOQ) (To be quoted in format provided on CPP portal)

| S.No. | Particulars | Amount in Indian Rupees (Inclusive of GST) Rs. P. |
|-------|--|---|
| 1. | Environmental Growth Chamber given in technical specification –One No. | |

N.B. 1. FOR CICR, Regional Station, Coimbatore -3 (Cost in Indian rupees are to be indicated clearly).

NOTE: The above mentioned Financial proposal / Commercial Bid format is provided as BoQ_XXXX.xls along with this tender document at <https://eprocure.gov.in/eprocure/app>. Bidders are advised to download this BoQ_XXXX.xls as it is quote their offer / rates in the permitted column and upload the same in the financial bid. Bidder shall not tamper / modify downloaded price bid template in any manner. If it is found so, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with CICR.