

## **Technical Specifications for Repair and Renovation of Existing Green House Facility and Tissue Culture Growth Rooms**

Site: **Department of Genetics (Bachhawat Block)**  
**University of Delhi South Campus**  
**Benito Juarez Road, New Delhi 110 021**

Bidders should visit the site for a complete picture of the scope of work

Tenders are invited from ISO & CE certified companies for Repair and renovation of Existing Green House Facility and Tissue Culture Growth Rooms that comprise of under mentioned works

### **A. Repair and Renovation of Existing Green House Facility**

- Size of the Existing Green House ~52 X 22 feet
- Vestibule/Buffer Area- about 30 sq. ft.
- Shape: Arc
- Repair of Doors and structural deformities : 2 nos in all respect with clear 6mm polycarbonate glazing, top & bottom tracks, jambs, flashings & installation hardware-2 Sets. Complete silicon with civil repairs.
- Providing and fixing of External Shading System: 75% agro shading net green colour (agro shade net) with rolling arrangement connecting pipe etc. can be rolled when not required.
- Providing and fixing of Metal Halide Light in IP65 fixtures (6 Nos. ) backed with 10 Nos. of LED Grow Lamps uniformly distributed inside the complete Green House complete with new FR grade copper wiring duly fixed in proper conducting.
- Replacement of Old Cooling Pads with new one complete with Standby 1 HP monoblock pumpset ( Crompton greaves make ) 2 Nos. with electrical wiring and UV stabilized Nylon covering on suction ends duly fixed over a removable structure arrangements.
- Replacement of Old Axial Flow Fan with New 36" Axial fan having Stainless Steel Propellers duly fixed in Galvanised tubular frame and 40 x 40 nylon mesh on suction end complete with FR grade electrical wiring.
- Repair and Refixing of Humidification Microfogging system complete with disc filter and twin 1 HP monoblock pumpset with FR grade electrical wiring.
- Fixing of Heating units to maintain the temperature around ~27°C in winters.
- Fixing of New Microprocessor based Programmable Control Panel with individual Miniature Circuit Breakers/Indicators and busbar complete with 4 Pole MCB comprises of :- Programmable Photoperiodic Timer, Temperature Controller, Relative Humidity Controller with Cyclic Timer, Remote Alarm System for Temperature (Indoor & Out door along with Door openings) and SPPR/OV/UV protection.
- General repairing and painting of complete structure.
- Cleaning of water tank.
- The greenhouse is to be maintained at around 27°C and having about 60-70% humidity

### **B. Repair and Renovation of Existing Tissue Culture Growth Rooms**

- Replacement of Old Fluorescent Lights of Tissue Culture Racks with New 18/20W LED T8 lamps complete with electrical wiring and repair of structural deformities.
- Providing and fixing of Commercial Air-conditioning Unit having cooling capacity of approximately 1800 BTU/hr to maintain 18 to 22°C fitted with drier, accumulator HP/LP cutoff and side valves (one in each room).
- Fixing of New Microprocessor based Programmable Control Panel with individual Miniature Circuit Breakers/Indicators and busbar complete with 4 Pole MCB comprises of :- Programmable Photoperiodic Timer, Temperature Controller, Sequential Timer to run two Air-

conditioner alternately, Remote Alarm System for Temperature (Indoor & Out door along with Door openings) and SPPR/OV/UV protection.

- Re-electrification of both the PTC Lab.

**Bidders should visit the site for the complete of scope of work.**

### **Eligibility Criteria and other requirements**

- Bidding will follow the two bid system (Separate technical and financial bids)
- Bidder should be a well-established Manufacturer of Green Houses and Plant Tissue Culture facilities and should be an ISO & CE certified companies. Attach documentary proof of the same.
- Bidder must provide a trouble free after sales service within 24-48 Hrs. Attach proof of being able to do so.
- Bidder must have undertaken at least 5 similar work with completion certificate of same/ higher amount. Submit documentary evidence.
- Technical Bid must contain a Technical Compliance sheet. Where ever required the technical compliance sheet must be backed up by published catalogue or other evidences for fulfilling the technical requirements.
- In case any part is supplied of different make rather than that of the bidder, details of the make should be mentioned.
- The bidder must not be blacklisted by Delhi University or any other Government of India department. A Certificate or undertaking to this effect must be submitted.
- Company should provide user list with email and Phone numbers of orders placed in the last 2-4years.
- **Earnest money: Demand draft of Rs 20,000 in favor of Director, South Campus must be submitted to the office of the undersigned. A scanned copy of the demand draft must also be submitted along with the online tender.**

### **No Commitment to Accept Lowest or Any Tender**

- University of Delhi shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers. University of Delhi will not be obliged to meet and have discussions with any vendor, and or to listen to any representations.

### **Warranty /Comprehensive Maintenance**

- One year Warranty against i) all spare parts ii) electronic & electrical instruments iii) manufacturing defects to ensure smooth running of the facilities.

### **Price quotation**

- The price bid should include all costs including electrical and plumbing work, removal of old installations etc. required to make both the units functional.
- Payment will be made against successful installation. Advance payment will NOT be made.

### **Completion of work**

- The bidder is expected to complete the work in one month's time after issue of the order.

Published Date : 18-12-2018 (17:00 Hrs)

Bid Document Download Start Date: 19-12-2018 (11:00 Hrs)

Bid Submission Start Date : 20-12-2018, (10:00 Hrs)

Bid Submission End Date : 12-01-2019, (17:00 Hrs)

Bid Opening Date 14-01-2019, (11:00 Hrs)

All the relevant documents related to tender can be found on CPPP portal

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