



Indian Institute of Technology Kanpur

Samtel Centre for Display Technologies

Enquiry number: SCDT/FlexE/2016-17/01

Date: 01/04/2016

Quotations from prospective vendors are invited by Samtel Center for Display Technologies, IIT Kanpur for climate chamber.

Note: **The technical and financial bid should be submitted together in separately sealed envelopes.** The climate chamber must have following minimum technical specifications.

S. No.	Specifications	Company specifications and model number of system	Complies/Does not comply/Not applicable
1	Humidity range 10% to 98% RH		
2	Temperature Range (-50 to 150 deg Cent.)		
3	Temperature Sensor PT-1000		
4	Temperature Accuracy $\pm 0.1^{\circ}\text{C}$		
5	Temperature Fluctuation $\pm 0.1^{\circ}\text{C}$ to $\pm 0.3^{\circ}\text{C}$		
6	Humidity Accuracy $\pm 3\% \text{RH}$		
7	Humidity Uniformity $\pm 1\% \text{RH}$		
8	Humidity Resolution $\pm 0.1 \text{RH}$		
9	Should be compatible with LabVIEW and programs given with system		
10	Non cfc refrigerant for cooling		
11	Power 415 V, 3 Phase		
12	No. of Shelves 5		
13	RS 232/485/USB Connection		
14	Inner Dimensions (L x W x H) 500 x 500 x 600 mm		
15	External Dimensions (L x W x H) 1400 x 750 x 1800 mm with wheels		
16	Port holes minimum 2 maximum 4		
17	HMI touch screen 9 inches		
18	Graphical representation of the working of the chamber, with live status of all the components, including the current temperature/humidity process values, compressor suction/discharge pressures and return gas temperature in HMI		
19	System with automatic and manual operation		
20	System with storage of multiple programmes (More than 100)		
21	Multi-level security of guest, user, admin and factory level users with individual password protection		
22	System should have Inbuilt memory of 2GB to store all the test program data and		

	expendable memory of 128GB		
23	Operate through PC and remote places with Software support and control of the system		
24	Temperature Controller PID Controller (with Coloured HMI+PLC based)		
25	Inbuilt Printer and printing		

Terms and Conditions:

1. Please do mention tender number clearly on envelop.
2. Supplier/Vendors should submit technical and financial bid together in separately sealed envelopes.
3. The format for specification and complies statement is same as provided tender sheet for supplier/vendors for submitting technical specification in their own letter heads.
4. Evaluation will be done on the basis of technical specifications format provided as per our tender notice
5. Financial bit will be open only for those, who meet tender technical specification.
6. Supplier who have experienced in climate chamber and supplied in the national and international institutions will be preferred.
7. Please send the name and contact details of the person to whom company had supplied a similar systems. Committee may ask for the feedback.
8. Vendors should have to submit the detail's designed as per tender specification.
9. Quotation must indicate FOB / FCA, New Delhi/ FOR IIT Kanpur prices.
10. Payment terms & condition is 70% against delivery, 20% after installation and 10% after successful running of equipment for 3 months & approval.
11. Warranty/Guarantee should be clearly mentioned. The Warranty must start from the date of installation at IITK.
12. Installation, demonstration, and training-sessions at IIT Kanpur will have to be provided by the manufacturer or the vendor for the quoted system.
13. Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer, etc.
14. Validity of quotation should be at least for 60 days.
15. Maximum educational discounts should be applied.
16. Institute is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%).
17. Institute is exempted from payment of Excise Duty under notification No. 10/97.
18. The delivery period should be specifically stated. Earlier delivery may be preferred.
19. The indenter reserves the right to withhold placement of final order. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved.

Kindly send the quotation in sealed envelope latest by 3:00 pm on dated 12/04/2016 to the following address:

To,
Dr. Siddhartha Panda
Room No.305,
Samtel Centre for Display Technologies (SCDT),
Indian Institute of Technology Kanpur,
Kanpur – 208016, Uttar Pradesh, India