



Indian Institute of Technology Kanpur

Samtel Centre for Display Technologies

Enquiry number: SCDT/2013-14/12

Date: September 16, 2013

Sealed Quotations are invited for the supply of Single zone tube Furnace with temperature capability of 1700C with atmospheric control such as vacuum and gas.

The other specs are

- (a) Tube diameter: approx. 50 mm ID, 1.5-2 ft length.
- (b) Floor mounting structure.
- (c) Thyristorised Circuitry with adjustable current limit and soft-start features for maximum protection to heating elements.
- (d) Adjustable over-temperature cut-out with audio signal to ensure overall safety.
- (e) Micro-processor based Digital PID Temperature Controller / Programmer with Thermocouple in pure Alumina Sheath (Eurotherm controller preferred).
- (f) Temperature Control Accuracy within $\pm 1^\circ\text{C}$ of set point while temperature uniformity within $\pm 5^\circ\text{C}$ near Tmax with soaking.
- (g) Continuous operation for at least 48 hrs at 1600 C is a must.

Please note the following points while preparing quotations:

1. Specify heating element life in thermal cycles under normal use.
2. Specify make and quote for cost of each heating element.
3. Provide user list of furnaces supplied in last two years of similar capability.
4. If authorized distributor, provide authorization letter from manufacturer.
5. Mention warranty and terms of service.
6. Provide costing and specifications of all spares.
7. Send relevant technical literature.
8. Mention delivery and work schedule.

Please send your quotations valid for at least 60 days with detailed specifications on or before September 21, 2013 to the following address:

Dr. Ashish Garg
Room No.305,
Samtel Centre for Display Technologies,
Indian Institute of Technology Kanpur-16
U.P., India