



**SPEED POST**

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**SARDAR VALLABHBHAI NATIONAL  
INSTITUTE OF TECHNOLOGY, SURAT-395 007.**

No. MED/VDK/Annual Plan/ 1198 / /17-18

Date: 10/07/2017

To,

As per attached sheet

**SUB: - Enquiry for supply of Quotation for Heat Treatment Furnace**

Dear Sir,

You are requested to quote your prices for supply of stores listed overleaf. The quotations may be sent to the undersigned in a **sealed envelope and subscribed as: "Quotation with reference to Enquiry No. MED/VDK/Annual Plan/1198 /2017-18 dated 10/07/2017.** Your quotation should reach the undersigned on or before **02/08/2017 at 5:00 pm.**

The quotations should be furnished with the following information.

- 1) The brand or make of each item should be specifically stated and wherever necessary, Complete set of specifications and dimensions should be given.
- 2) If asked, samples are accompany the quotations
- 3) Sales tax, General tax, Central Sales tax, Custom duty, Insurance charges, Packing and Forwarding charges, if not included in the prices quoted, should be clearly specified.
- 4) The period of validity of the quotation should be at least 45 Days. Offers subject to prior sale may please be avoided.
- 5) The delivery period is to be clearly mentioned in the quotation.
- 6) The mode of delivery of the stores may be mentioned. The delivery should be F.O.R. Surat or at the Institute.
- 7) All concessions available to an educational institution should be specified and also taken into account while quoting.
- 8) This Institute is located within the limits of S.M.C. & exempted from the paying of octroi duty on incoming goods from outside limits of S.M.C.
- 9) This Institute is registered with the dept. of scientific & industrial Research (DSIR) for the purpose of availing custom duty exemption & central excise duty exemption, and hence the certificate to this effect will be issued wherever it is necessary on demand.
- 10) Payment is normally made by cheque drawn on the S.V.N.I.T. Branch Office of State Bank of India, Surat-395007 within a period of thirty days from the date of receipt of stores.
- 11) Your specifications & terms- conditions should be as per the format attached, must be on your company letterhead & signed by an authorized person.
- 12) Offered quotation may be rejected if any ambiguity is found in offered specifications, terms & conditions supplied by party in specified tabular format.
- 13) The Director reserves the right to accept stores, which are not strictly in confirming with the specifications but otherwise, found suitable.

Yours faithfully,

  
**Head, Mech. Engg. Dept.**

## Item details

**Name of the item:** Heat treatment furnace

**Quantity:** 01 No.

### **Required furnace Specifications:**

1. Maximum temperature = 1200 °C
2. Average working temperature = 1100 °C
3. Inner chamber size = 9" x 9" x 18"
4. Temperature controls = Micro PID controller cum indicator with sensors
5. Temperature uniformity =  $\pm 10$  °C
6. Heating/Cooling rate = 1 to 5 °C/min
7. Furnace work = Melting / Heat treatment
8. Supply = 240V AC 50 Hz single phase
9. Automatic power cut off with timer
10. Digital display to show set point, actual temperature and time

### **Additional mandatory items to be the part of Furnace:**

1. SS tong = 02 No.
2. High temperature safety gloves = 02 No.
3. Silica crucible (50 - 100 ml) = 02 No.

### **General Requirements:**

1. Continuous operating temperature for the duration of minimum 10 hrs.
2. The maximum power requirement for the furnace should be specified by the vendor.
3. The overall dimension and space required for the furnace should be specified by vendor.
4. Necessary electrical cabling from the circuit breakers to the furnace should be provided by the vendor.
5. Over temperature controller shall be provided to safe guard the furnace from over shoot of temperature from the set temperature.
6. Two sets of instruction and service manual in English including various sub system, spares, accessories, electronics and schematic drawing, etc. should be supplied along with the unit.