

Our Ref: ERO Lab/Pur/Chem/05-06

Dated: 23-04-07

To

Subject: - Tender for Supply of Muffle Furnace.

Dear Sirs,

Tender are invited for the supply of the above items in the **SEALED COVER** super scribed **“Quotation for the supply of Muffle Furnace”**, which should reach the undersigned latest by **15 May’ 07**. The tenders shall be opened at 11.00 hours on the next working day in the presence of such manufacturers/ suppliers of the equipment or their duly authorized, who may like to attend.

All equipment shall be supplied along with warranty/guaranty certificate, incase possible.

- 1. Terms and conditions are given in Annexure-A**
- 2. The detailed Technical specification of equipments/item is given in Annexure-B**
- 3. Annexure C as enclosed may also be signed & sent back along with the Quotation**

Payment shall be released only after verifying satisfactory performance of the equipments.

Thanking you

Yours faithfully

GOVIND ROY
Sc. ‘E’ (Director)

Encl. As Above

ANNEXURE-A

1. The BUREAU gives FIRST PREFERENCE in its purchase to goods bearing ISI CERTIFICATION MARK and second preference to those which conform to the relevant Indian Standard Specifications.
2. The delivery of the equipment shall preferably be made within 30 days of receipt of order. If, however, it is not possible to affect delivery during working hours by the date, the date by which the delivery of the equipment can be effected/guaranteed may be so stated.
3. The rates quoted should give break up of Cost, Excise Duty/ Sales Tax/VAT, P&F charges, Freight, Insurance etc (as applicable). If the rates quoted do not include sales tax/excise duty/ or any other taxes/charges, the same should be specifically stated.
4. Tenders qualified by such value and indefinite expressions as “Subject to immediate acceptance”, “Subject to prior sale” etc., and incomplete quotation are liable to be summarily rejected.
5. All Tenders shall remain open for a period of 90 days from the date of opening.
6. Please note that Tenderer shall have to **deposit 3% of cost of equipment as EMD for bid security**. The amount is to be deposited along with the tenders, in the form of **demand draft** drawn in favor of BUREAU OF INDIAN STANDARDS payable at Kolkata. Bid security as deposited with tender shall be returned to the unsuccessful bidder after the decision is made for purchase.
7. Tenderer getting the order shall preferably deposit 10% of the ordered amount as contract **PERFORMANCE SECURITY** from any nationalized Bank valid till 60 days after warranty /guarantee period, which shall be returned after satisfactory performance .However ,other terms of payment such as cited at clause 10 may also be considered.
8. 90% payment may be made after satisfactory installation & commissioning of the equipment and **10% (contract performance security)** after expiry of guarantee/warranty period. The equipment should have a **guarantee/ warranty period of preferably 3 years & the period shall be mentioned by the Tenderer while submitting quotation** .
9. The Tenders/Suppliers of the equipment shall preferably have necessary infrastructure /capacity to provide a **comprehensive maintenance guarantee, preferably for three years** including replacement of spares, if any. Position shall be clarified in this aspect while submitting quotation.
10. The supplier/Manufacturer of the equipment shall ensure **training of officials** of the laboratory during commissioning of equipment.
11. All goods shall be received subject to approval on inspection. The decision of our Inspecting Officers shall be binding. Rejected items/goods/stores shall be removed by the supplier at his own cost and risk, within 30 days of receipt of notice for the removal of such goods, and thereafter no liability, whatsoever, on the Bureau shall be attached for the rejected/disapproved goods/items/stores.
12. The Bureau reserves the right to accept or reject summarily any or all tenders in whole or part without assigning any reason whatsoever.
13. The Bureau takes no responsibility for delay, loss or non-receipt of tenders after dispatch.
14. In case of non-compliance with the contract, the Bureau reserves its right to:
 - a) Cancel/rescind/revoke the order if supply is not made in time and is not

Conforming to the required specification.

b) Impose penalty up to 1% of the total value of the order for a delay of every seven days after the schedule date subject to the ceiling of a maximum of 10% of the total value of the order.

15. All question, disputes or difference arising under, out of or in connection with this tender enquiry shall be subject to the exclusive jurisdiction of the Kolkata Courts

ANNEXURE-B

TECHNICAL SPECIFICATION FOR MUFFLE FURNACE

- 1. Name of the Equipment:** Muffle Furnace up to 1200 °C - 2 No.
- 2. Description:** Floor Type: - Doubled walled with outer walled made of stainless steel of 2mm thickness and re-attached with 2 mm perforated sheet on the bottom portion. (*Preferably Grade X07Cr18Ni9 of IS 6911:1992)
- 3. Muffle Size (internal):** 200mm x200mm x360mm
- 4. Power supply:** 3 phase, 415/440V, AC, 50 Hz
- 5. Temperature:**
- | | |
|-------------------------------|----------------------|
| Range | : Up to 1200 °C |
| Accuracy | : ± 5 °C at 1200°C |
| L.C | : 1 °C |
| Insulation | : Ceramic fiber wool |
| Maximum time to attain 1200°C | : 60 minutes |
- 6. Programmable:** By microprocessor based profile.
Temperature controller
- Controller cum indicator.
 - Setting & Display-Digital
- 7. Heating Element:** Made of KANTHAL wire-coil Preferably A-1 grade
- 8 Safety features:** Audio, Visual Alarm should be provided to indicate
- Temperature attained
 - Power failure
 - Door opening
 - Safety Thermal Fuse for over heating Prevention
 - Self diagnostic for heater thermocouple sensor
 - Output regulator
- 9. Additional Features (Preferably):**
- Sample tray to be provided.
 - Viewing cap to be provided on the door.
- 10. NABL Calibration**
Certificate for temp.
- Instrument must be accompanied with calibration certificate by NABL accredited Agency**

ANNEXURE-C

DEVIATION STATEMENT FORM

The following are the particulars of deviations from the requirements of the tender document and specifications:

CLAUSE	DEVIATION	REMARKS (INCLUDING JUSTIFICATION)

PLACE:

DATE:

NOTE:

1Where there is no deviation; the statement should be returned duly signed an endorsement indicating “No deviations”