

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

28 February 2006

Subject: Tender for Supply of Hot Plate.

Dear Sirs,

Quotations are invited for the supply of the above items in the **SEALED cover** super scribed **“Quotation for the supply of Hot Plate”**, which should reach the undersigned latest by **13 March 2006**. The Tenders shall be opened at 1100 hours on the next working day in the presence of such manufacturers/suppliers of the equipment or their duly authorized representatives, who may like to attend.

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

. The detailed Technical specification of equipment/item is enclosed.

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

Thanking you,

Yours faithfully,

GOVIND ROY
Sc.”E” (Director)

Encl: as above

ANNEX-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 effect 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. QUOTATIONS shall be submitted by interested Manufacturer/Supplier in the form of two BIDS/PARTS – namely, “TECHNICAL BID & FINANCIAL BID.”
4. Both Technical Bid & Financial Bid shall be sealed by the bidder in SEPARATE ENVELOPE/COVER duly superscribed “TECHNICAL OR FINANCIAL BID which shall finally be put in a bigger size envelope duly supercribed “QUOTATION FOR THE SUPPLY OF Muffle furnace”
5. 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.
6. 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.
7. All Tenders shall remain open for a period of 90 days from the date of opening.
8. 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.
9. 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.

10. 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 .**
11. 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.
12. The supplier/Manufacturer of the equipment shall ensure **training of officials** of the laboratory during commissioning of equipment.
13. 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.
14. The Bureau reserves the right to accept or reject summarily any or all tenders in whole or part without assigning any reason whatsoever.
15. The Bureau takes no responsibility for delay, loss or non-receipt of tenders after dispatch.
16. 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.
17. 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

TECHNICAL SPECIFICATION FOR HOT PLATE

1. Name of the Equipment : 2 Nos. HOT PLATE
2. Description
 - Sizes of Top Plate- 500mmx350mm (Preferably)
 - Stainless Steel body, 6mm thick (min)
 - (Grade X07Cr18Ni9 of IS 6911:1992)
 - Outer Body - Stainless Steel (Preferably)
3. Other features
 - : - Digital controlled temperature.
 - Digital display
 - (Temperature range up to 350°C)
 - Auto cut off for temperature.
4. Power : Wattage 5 Kw or so to ensure uniform heating throughout the top plate.

ANNEX-B

TECHNICAL SPECIFICATION FOR MUFFLE FURNACE

1. Name of the Equipment : Muffle Furnace (1450 °C max)
2. Description : Doubled walled with outer walled made of stainless steel* of 2mm thickness and re-attached with 2 mm perforated sheet on the bottom portion.
(* Grade X07Cr18Ni9 of IS 6911:1992)
3. Muffle Size (internal) : 200mm x200mm x360mm
4. Power supply : **3 phase, 415V, AC, 50 Hz**
5. Temperature : Range : up to 1450 °C
Accuracy : ± 5 °C at 1450°C
Insulation: Ceramic fiber wool
Maximum time to attain 1200°C: 90 minutes
6. Temperature controller : By microprocessor based profile.

Controller cum indicator with 2 pattern 08 step each
Programming option.
Setting & Display-Digital.
7. Heating Element : Made of KANTHAL wire-coil
8. Exhaust : Fume Exhaust arrangement to be provided complete with ducting. The installation will include complete necessary furnishing, to be done.
- 9 Safety features : Audio, Visual Alarm should be provided to indicate
 - i) Temperature attained
 - ii) Power failure
 - iii) Door opening
 - iv) Safety Thermal Fuse for over heating Prevention
 - v) Self diagnostic for heater thermocouple sensor
 - vi) Output regulator

10. Recorder : Temperature recorder with maintenance free battery back and auto charging of battery.

11. Features Provided

- Instrument must be accompanied with calibration certificate by NABL accredited Agency.
- Sample tray to be provided.
- Cooling arrangement through axial fan.
- Inlet for Inert/Nitrogen gas
- Viewing cap to be provided on the door.

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

01 March 2006

Subject: Tender for Supply of Muffle furnace.

Dear Sirs,

Tenders 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 March 2006**. The Tenders shall be opened at 1100 hours on the next working day in the presence of such manufacturers/suppliers of the equipment or their duly authorized representatives, who may like to attend.

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

- 1. Terms and conditions are given in Annex-A**
- 2. The detailed Technical specification of equipment/item is given in Annex-B**

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

Thanking you,

Yours faithfully,

GOVIND ROY
Sc."E" (Director)

Encl: as above

