

Our Ref: EROL/Pur(Elec)

18 July 2006

**Subject: Tender for supply of Hot set Test Apparatus**

M/s

Dear Sirs,

Tenders are invited for the supply of the above item(s) in the **sealed cover** duly superscribed as **"QUOTATION FOR THE SUPPLY OF HOT SET TEST APPARATUS"** complying the requirements of the enclosed **Annex-A (The Terms and conditions of supply)** and **Annex-B (The Technical Specification of the Equipment)**, which should reach the undersigned **latest by 09-08-2006**. The Tenders shall be opened in this office **at 1100 hours in the next working day** in the presence of such tenderers or their duly authorized representatives, who may like to attend.

Thanking you,

Yours faithfully,

(D. Chakraborti)  
Scientist-D (JD)

**Encl: As above**

e-mail: [erol@bis.org.in](mailto:erol@bis.org.in)

Website: <http://www.bis.org.in>

Fax: 033-23555300

**ANNEX-A**  
**(Terms and Conditions of Supply)**

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 superscribed "QUOTATION FOR THE SUPPLY OF HOT SET TEST APPARATUS".
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 favour 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** to BIS in the form of **demand draft** from any nationalized Bank. Performance security should remain valid for a period of 60 days beyond the date of warranty /guarantee period, which shall be returned after satisfactory performance. However, other terms of payment, 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 the **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 30days 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.

## **ANNEX-B**

### **TECHNICAL SPECIFICATION FOR THE HOT SET TEST APPARATUS:**

**Name of the Equipment:** Hot Set Test Apparatus  
{Ref. IS 10810(Part-30)-1984; IS: 6365-1971}

**Purpose** : For Hot Set Test on the insulation/sheath of Electric cables.

**Requirements** : One electrically operated heating cabinet (Oven) capable of maintaining uniform temperature.  
Control of temperature: Electrically operated with PID control.  
Inner dimension: Length = 600mm  
Breadth = 600mm  
Depth = 600mm.  
Range of Temp. Indicator: 0-300 °C.  
Test Temperature: 200 °C +/- 3 °C and 250 °C +/- 3 °C  
Accuracy: +/- 1 % or better

- Digital display of temperature and air flow.
- The air shall enter the oven in such a way that it flows over the surface of the test pieces and leaves near the top of the oven.
- The oven shall have a rate of air-flow such as to give 8 to 20 changes per hour.
- Front door with transparent glass.
- Suitable provision for suspending of four test specimen {as per Cl.4.1 of IS: 10810(Part-7)-1984} and weights attached to the bottom grips to exert a force to the test specimen.
- Suitable weight with rust proof coating in fraction of 01 gm to 100gm.
- Proper illumination inside the cabinet.
- Floor of the cabinet shall be plain.
- Shall have provision to measure the elongation of individual specimen without opening the door.
- Shall have suitable arrangement to cut the individual specimen at the lower grip without opening the door.
- Digital timer with pre-set time facility and preferably with buzzer.
- Proper arrangements for earthing.
- The equipment shall be supplied alongwith the Calibration certificates of the display meters from NABL Accredited Calibration Laboratories.