

Ref: CL/PP/BID-12(07-08)

Date: 26-09-2007

**Subject: SUPPLY OF OXYGEN BOMB TEST APPARATUS for CL**

Dear Sirs,

Technical & Commercial Bids are invited for the supply of **OXYGEN BOMB TEST APPARATUS** for CL, in **separate SEALED** covers, which should reach the undersigned latest by 1700 h, on **17 Oct 2007**, at the following address.

**Director & Head (Planning & Purchase)**  
BUREAU OF INDIAN STANDARDS  
Central Laboratory  
Plot No.20/9, Site-IV,  
Sahibabad Industrial Area, Sahibabad,  
Distt. Ghaziabad-201010 (U.P.)

2. The detailed specification of the above mentioned equipment(s)/item(s) are given in **Annex- I**
3. Terms and conditions of supply are given in **Annex-II**
4. The technical Bids shall be opened in the **Conference Hall**, of the Central Lab, at the address mentioned above at **1500 h on 18 Oct 2007** and in the presence of such tenderers or their duly authorized representatives, who may like to attend.
5. Please note that the envelopes containing Technical & Commercial Bids are sealed properly i.e. either wax sealed or with adhesive cello tape on both ends. **Unsigned & Unstamped Bids in Unsealed /stapled envelopes** and bids **without EMD** shall be summarily rejected. **No exemption** whatsoever for payment of EMD shall be accorded.
6. The specification and terms & conditions can also be downloaded from BIS Website – [www.bis.org.in](http://www.bis.org.in)

Thanking you,

Encl.: as above

Yours faithfully,

-Sd/-

**Director & Head (Planning & Purchase)**

**ANNEX-I**

**BUREAU OF INDIAN STANDARDS  
CENTRAL LABRATORY  
EQUIPMENT SPECIFICATION**

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**EQUIPMENT /SPECIFICATION CODE: BCE 04**

**NAME OF THE EQUIPMENT : OXYGEN BOMB TEST  
APPARATUS**

**PROPOSED FOR BIS LABS : CL ELECTRICAL**

**TOTAL QUANTITY REQUIRED : One**

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Purpose : Ageing in Oxygen Bomb on Elastomer  
insulation & Sheath

Reference : Clause 4.1 of IS: 10810(Part-16)-1986.

Range Of temperature : 0 – 150 °C

Least Count : 0.1 °C

Accuracy : ± 1 °C

Normal Used Temperature: 70 °C ±1 °C

Range of Pressure : 0 – 50 Kg/Cm<sup>2</sup>

Least Count : 0.1 Kg/Cm<sup>2</sup>

Normal Pressure for Oxygen: 2.1 ±0.07 MPa (20.6 Kg/Cm<sup>2</sup>)

Features:-

- i) Temperature of the chamber shall be PID controlled.
- ii) Digital display of temperature and oxygen pressure.
- iii) Pressure of Oxygen in the chamber shall be controlled with pressure regulating device

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- iv) Shall have provision for recording of test parameters with the help of data logger along with UPS of 1 h line back up and associated printer.
- v) The Data Logger shall have provision to set Sample Address, Date, Time and Scan interval (0-60 min).
- vi) The equipment shall give at least following print out:
  - a. Sample Address (E-123789)
  - b. Date & Time
  - c. Temperature
  - d. Scan interval (0-60 min)
- vii) Shall be provided with digital Hour meter with pre-set time facility and automatic switch off supply after pre-set time.
- viii) A buzzer shall be provided to indicate completion of test.
- ix) Oxygen Pressure chamber (Bomb) shall consist of metal vessel designed to retain an internal pressure and temperature.
- x) Size of the chamber shall be such that 16 specimen of the sample can be accommodated at a time.
- xi) All measuring devices shall be supplied with calibration certificate from NABL accredited agency.

TERMS & CONDITIONS

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 stores is required to be made within 30 days of receipt of order. If, it is not possible for you to effect delivery within the period, you are required to specify the date by which you can guarantee delivery of the stores.
3. The **Technical & Commercial Bids should be sealed and sent separately in sealed envelopes & duly superscribed (giving Equipment name, technical/financial bid, due date of opening & Ref. No. on the top of the envelope)**. Such Bids shall remain valid for a period of 90 days from the date of opening.
4. Quotations/Bids, qualified by indefinite expressions as “Subject to immediate acceptance, Subject to prior sale” etc. and incomplete quotations are liable to be summarily rejected.
5. The Bids should clearly give break-up of cost of each equipment. The rates quoted should separately indicate Basic Cost, Excise Duty, Sales Tax, P&F charges, Freight, Insurance, VAT etc. Rates quoted should specifically state Sales Tax, Excise Duty or any other taxes/charges. In absence of any such stipulation, it will be presumed that the prices include all such charges and no claim for the same shall be entertained. **Form C/D shall not be provided by BIS.**
6. Each tender document shall be accompanied with **EMD of 3% of total cost of the equipment (excluding taxes)**. The demand draft for the EMD amount shall be drawn in favour of BUREAU OF INDIAN STANDARDS payable at Sahibabad/Ghaziabad. The sealed envelope containing EMD should be super scribed “EMD” and **stapled separately with the envelope containing the commercial Bids. No disclosure of EMD in Tech. Bid.**
7. BIS shall pay **90%** of the cost after satisfactory installation & commissioning and the Balance of **10% as contract performance security** would be paid after expiry of warranty period. However other terms of payment for contract performance security can also be considered, if so stated clearly.
8. The **warranty period** of the equipments **may be stated clearly** in the Technical Bids. In case the **same is not found stated**, it will be presumed that **warranty period as mentioned in their respective specifications of the tender document (if specified), is applicable**
9. Please mention clearly in the Technical Bids regarding address of **arrangements for service/repair** of the equipments are available. Suppliers having such arrangements near Delhi/Ghaziabad would be preferred.
10. All goods received would be subjected to inspection, by BIS before or after receipt or commissioning (as applicable) and the decision of BIS 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 no liability, whatsoever, on the Bureau shall be attached for the rejected/disapproved goods/items/stores.
11. The Bureau reserves the right to accept or reject summarily and or all tenders in whole or part without assigning any reason whatsoever.
12. The Bureau takes no responsibility for delay, loss or non-receipt of tenders after dispatch.
13. **In case of non compliance with the Terms & Conditions of 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.
14. All questions, disputes or difference arriving under, out of or in connection with this tender enquiry shall be subject to the exclusive jurisdiction of Delhi/ Ghaziabad Courts.