

Our Ref: CL/PP/BID-03A(06-07) & 03B(06-07)

Date: 21-07-2006

Subject: Quotation for supply of parts, repairing, modification, servicing commissioning, demonstration of satisfactory performance, and in-house training in operation of the equipments.

Dear Sirs,

Sealed Bids are invited separately for the supply of parts, repairing, modification, servicing commissioning, demonstration of satisfactory performance, and in-house training to operators, in operation of the following equipments:

- (i) 2000 KN Wire Rope Testing Machine, Vebwerkstoff (GDR) Machine, Germany Make, Model EZL 200.
- (ii) 1200 KN Universal Testing Machine, Make Avery Denison.

The sealed Bids should reach the undersigned latest by 1700 h, on **11 Aug 2006**, 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(s) of the above equipments along with the scope of work are mentioned in **Annex-I & Annex-II.**
- 3. Terms and conditions as applicable for the above work are given in **Annex-III**
- 4. The Bids shall be opened in the **Conference Hall**, of the Central Lab, at the address mentioned above at **1500 h on 14 Aug 2006** and in the presence of such tenderers or their duly authorized representatives, who may like to attend.
- 5. Please note that the envelopes containing Bids are sealed properly i.e. either wax sealed or with adhesive cello tape on both ends. Unsealed and stapled envelopes shall not be accepted.
- 6. The specification and terms & conditions may also be downloaded from BIS Website – www.bis.org.in

Thanking you,

Encls: as above

Yours faithfully,

--Sd--
Scientist-'F' & Head
(Planning & Purchase)

BID DOCUMENT-CL/PP/BID-03A(06-07) & 03B(06-07)

TERMS AND CONDITIONS OF WORK TO BE EXECUTED

1. The scope of Bid shall include supply of parts,, repairing, modification, servicing commissioning, demonstration of satisfactory performance, and in-house training in operation of the equipment i.e. 2000 KN Wire Rope Testing Machine and 1200 KN (120T) Universal Testing Machine available in Central Laboratory of BIS.
2. The detailed specification of work i.e. the equipment to be repaired, serviced and modified is given in the Annex-1(Wire Rope Test Machine) & Annex 2 (1200 KN UTM) respectively.
3. Unless other wise agreed upon, the Warranty period for satisfactory performance of supplied parts & Micro-processor base control unit and manufacturing defects shall be One Year from the date of satisfactory commissioning of equipment.
4. The BID should be accompanied by EMD of required amount as indicated against each equipment to be repaired, in the form of Demand Draft (from a Nationalized Bank) drawn in favour of **BUREAU OF INDIAN STANDARDS**, payable at **GHAZIABAD**. The sealed envelope containing EMD should be superscribed **“EMD”** and stapled separately with the envelope containing the Bids. Bids received without EMD amount as mentioned against each equipment shall be rejected without making any reference/correspondence in the matter. The ‘EMD’ shall be returned to all unsuccessful bidders.
5. The successful bidder shall be required to furnish a ‘Contract Performance Security’ of value equal to 10% of entire cost of repair/modification, servicing commissioning, etc, within 30 days of placement of order. The ‘contract performance Security’ should be valid for a period 2 months after the completion of warranty period i.e. 3 years. However, in case of successful bidders, the EMD can be considered for adjustment to form a part of ‘Contract Performance Security’.
6. The repair and commissioning of the equipment is required to be completed **within two months** of receipt of order. However, if it is not possible to complete the work within the above specified time, Bidder should specify the time by which the work can be completed.
7. The rates quoted shall include cost of parts, modification, repairing, servicing, commissioning, training, calibration, travel etc. No other incidental charges shall be payable by BIS.
8. For any supplied parts, the price shall specifically indicate sales tax, excise duty or any other 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. The Bureau pays full CST and no Form C/D is provided.
9. The terms of payment will be 100% after repair, modification, calibration, training and satisfactory commissioning. However if any advance payment is required same may be considered against Bank Guarantee of any Nationalized Bank.

10. The bidder will have to give complete drawings, circuit diagrams (wherever applicable), service/maintenance manual & operating manual of the equipments.
11. The Bureau reserves the right to accept or reject summarily and or all bids(s) in whole or in part without assigning any reason whatsoever.
12. Bidder(s) may visit our lab to assess the Scope of work to be carried out on any working day during office hours i.e. **10 00 h to 17 00 h** ,from **24-07-06 to 9-08-06**.
13. In case of non-compliance with the contract, the Bureau reserves the right to:
 - cancel/rescind/revoke the order; and
 - impose penalty upto 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 question, disputes or differences arising under, out of or in connection with this Bid document shall be subject to the exclusive jurisdiction of Delhi Court.

ANNEX-I

BID DOCUMENT-CL/PP/BID-03A(06-07)

BID NO.	EQUIPMENT	QTY	LOCATION	EMD
03A(06-07)	2000 KN Wire Rope Testing Machine, (Vebwerkstoff), Germany Make, Model EZL- 200	1 No	BIS Central Laboratory Mechanical Lab Sahibabad Distt Ghaziabad	Rs.10,000.00

1. Specification of Existing Machine:

- (i) Basic Machine :- (a) Capacity of the Machine-2000 KN
- (b) Range:
- i) 0-400 KN, Least Count : 2 KN
 - ii) 0-1000 KN, Least Count : 5 KN
 - iii) 0-2000 KN, Least Count : 10 KN
- (c) Working: Hydraulically operated
- i) Ram Stroke : 2000 mm with limit switch
 - ii) Hydraulic Pump Unit
 - iii) Oil tank – 400 Ltr Capacity
- (d) Control Panel :
- i) Switch - ON/OFF; Lock/unlock
 - ii) Zero adjustment knob – For re-adjustment at Zero
 - iii) Load Display – Dial type circular scale with range changer
 - iv) Plotter/Recorder – drum type, 1:1, 1:2, 1:5, scds.
 - v) Load Rating Controller – 60 sec. To 660 seconds
Upto Max Load.
 - vi) Direction Controlling : i) Ram forward by knob
ii) Ram backward by knob
 - vii) Push button for hydraulic system ON/OFF

2. Existing condition of Machine: Under breakdown.

3. Work Required:

- (i) Servicing and repair of hydraulic unit and all other related parts.
- (ii) Replacement of existing control panel with micro-processor based controls panel consisting of 1 No. single channel pressure recorder and pressure transmitter.
- (iii) Digital display of parameters of graph.
- (iv) Demonstration of satisfactory performance after commissioning.
- (v) In-house training for operation and Maintenance of the equipment.
- (vi) **Calibration:** After incorporation of above system the machine is to be calibrated by an NABL accredited agency, furnishing relevant calibration certificate (To be calibrated at five points for each range).

BID NO.	EQUIPMENT	QTY	LOCATION	EMD
03B(06-07)	1200 KN (120T) Universal Testing Machine, Avery Denison (UK)	1 No	BIS Central Laboratory Mechanical Lab Sahibabad	Rs.15,000.00

1. Specification of Existing Machine:

- (i) Basic Machine:-
- (a) Load display on monitor with automatic range change:
0-1300 KN least count 0.1 KN and
0-130 KN least count 0.01 KN
 - (b) Ram display on monitor
0-300 MM least count 0.1 MM
 - (c) Servo control rates:
Load control from 0.1 to 130 KN/S
Ram control from 1.0 to 250 MM Min.
Ram Stroke 300 MM
- (ii) Computer Software: Software for control and data processing to give a full test report on one test including all inputs test parameters with calculated UTS, YS/PS and elongation with the load displacement graph.
- (iii) Extensometer: Suitable extensometer compatible with software.
- (iv) X-Y Recorder : Suitable x-y recorder compatible with software.

2. Existing condition of Machine: Under breakdown.

3. Work Required:

- a. Servicing and repair of hydraulic unit and all other related parts.
- b. Replacement of existing control unit/measuring unit with micro-processor/PID Base controls and extensometer.
- c. Digital display of parameters UTS, YS/PS and printing of graph and results.
- d. Demonstration of satisfactory performance after commissioning.
- e. In-house training for operation and Maintenance of the equipment.
- f. **Calibration:** After incorporation of above system the machine is to be calibrated by an NABL accredited agency, furnishing relevant calibration certificate.