

BUREAU OF INDIAN STANDARDS
(Patna Branch Office & Laboratory)

Our Ref: P/Lab-2:3:3

24/01/2011

Subject: Tender for supply of Autoclave for Soundness test of cement samples as per IS 4031(Pt 3) :1988

Tenders are invited for the supply of the above item in the sealed cover duly super scribed as **“QUOTATION FOR THE SUPPLY OF Autoclave for Soundness test of cement samples as per IS 4031(Pt 3) :1988** complying the requirements of the enclosed **Annex-A** (the term and conditions of supply) and **Annex-B** (The Technical specification of the equipment) which would reach the address given below latest by **14/02/2011** up to 1700h. Also ensure to submit the technical and financial quotations/bids in separate envelopes along with **EMD** as indicated in **Annex-A (Clause-6)**, failing which quotation will be rejected. The tenders shall be opened in this office at 1500hours in the next working day in the presence of such tenderers or their duly authorized representatives, who may likely to attend.

The quotations should reach Patna Branch Office Laboratory before 17.00hours on or before 14 February 2011 at the below given address:

**Director & Head,
Patna Branch Office Laboratory,
Bureau of Indian Standards,
Patliputra Industrial Estate,
Patna-800013, Bihar**

ANNEX-A
(Terms and conditions of Supply)

1. The BUREAU OF INDIAN STANDARDS hereafter called as BUREAU, gives PREFERENCE in its purchase for goods bearing ISI certification Mark.
2. The Tenderers are requested to give detailed tender in the forms of two bids. i.e.
Part- A Technical Bid.
Part- B Financial Bid.
3. The Technical & Financial 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 120 days from the date of opening.
4. Bidders may be required to arrange practical demonstration of equipment/model quoted by them before.
5. The technical Bid (Part A) should accompany complete specification, Manufacturer's name, address and following details:
 - a. Expected life span of equipment and accessories.
 - b. List of pre-installation facilities required for installation and commissioning of equipment and also consumables to be arranged by the Bureau.
 - c. List of the Users in India especially Govt. Labs./Institutes with complete postal address to whom the similar equipment has been supplied by the bidder.
 - d. Near locations in India from where after sales services shall be provided along with the name of Servicing Agent.
 - e. The optional and any other essential items/accessories required for the maintenance of the equipment for the next three years.
 - f. Technical Literature of the equipment along with necessary clause wise photograph/drawings, if any
 - g. Compliance statement vis-à-vis specification. Including statement of deviation, if any
 - h. Delivery Period: The delivery of the equipment is required to be made within 30 days of receipt of order. If, it is not possible for you to effect delivery within the stipulated period, you are required to specify the date by which you can guarantee delivery of the stores.
 - i. Warranty: The equipment is to be guaranteed for trouble free performance for a minimum period of two years after commissioning. The defects, if any, during the warranty period are to be rectified free of charge by arranging free replacement wherever necessary.
 - j. The Tenderer is required to furnish the Permanent Account Number (PAN)/TAN of the firm Alloted by the Income Tax Department.
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 Patna. The sealed envelope containing EMD should be super scribed "EMD" and stapled separately with the envelope containing the financial Bids. No disclosure of amount of EMD in tech. Bid should be done.
7. Cost of the items should be mentioned clearly in the financial Bid (Part-B) only. The following details need to be included
 - a. Price break-up of main equipment and accessories and consumables to be supplied by the party.
 - b. The rates quoted should separately indicate Basic Cost, Excise Duty, sales Tax. Packing & Forwarding 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. From C/E shall not be provided by BIS. In case of foreign supplier BIS shall pay Custom Duty.
 - c. Rebate on the quoted price, if additional equipment is procured for any other BIS Lab, and
 - d. The Annual Maintenance Contract charges for next three years after the expiry of warranty period.
 - e. CIF (Carriage Inward & Freight), Patna value both by Airfreight and Ocean freight, where applicable.
8. 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. In case of foreign suppliers 100% payment shall be made by an Irrevocable letter of Credit established in favour of the supplier through the CANARA BANK Patliputra Colony, Patna, for the order value provided an unconditional Performance Bank Guarantee valid till 60 days after the warranty period from a Nationalized Bank for 10% of the order value within 15 days of placement of the order is given to us. The firm has to arrange for it. BIS shall provide Custom Duty Exemption Certificate at the time of Custom Clearance as well as any applicable Custom Duty.
9. Place of Delivery :

Head, Patna Branch Office Laboratory,
BUREAU OF INDIAN STANDARDS,
Patliputra Industrial Estate,
Patna-800013

contd....

10. Conditional/Incomplete bids shall be summarily rejected.
11. In case of foreign quotation, the address of Principals / Manufacturers and their Banker's' details should be furnished. The supplier is required to have an import licence for the equipment quoted where applicable as per GOI guidelines.
12. Supply means "Supply, Installation, Commissioning and Satisfactory demonstration of the whole system and training". If there are any charges extra for installation, commissioning and training, the same should be specified in the financial bid.
13. All goods shall be inspected by BIS preferably in the presence of supplier or his authorized representative, when the packages are opened in Labs prior to installation. 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.
14. INSTALLATION: Bidder shall be responsible for installation / demonstration where applicable and for after sales service during the warranty and thereafter. If the supplier fails to Supply. Install and commission the system as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of one percent value of the Purchase Order awarded, per every seven days delay subject to a maximum of 10% of the total value of the order and such amount will be deducted from any amount due or which may become due to the supplier.
15. The supply of spare parts is to be guaranteed at least for a period of 10 years after the supply of the equipment.
16. The Bureau reserves the right to accept or reject summarily and/or all tenders in whole or part without assigning any reason whatsoever.
17. The date and Time of opening for Part B (Financial Bid) will be intimated only to technically acceptable/qualified tenderers at a later date.
18. In case of any dispute arising out of this agreement then DG BIS shall nominate any officer of the BIS a sole arbitrator to adjudicate upon the issue involved in the dispute and the provisions of the Arbitration Act shall be applicable.
19. All question, disputes or differences arising under, out of or in connection with this Bid document shall be subject to the exclusive jurisdiction of Patna Court.

Annex-B
AUTOCLAVE

Technical Requirements

- (i) The Autoclave must be supplied as per details of IS 4031(Pt. 3) :1988.
- (ii) The Steam boiler (Pressure vessel) must be made of Stainless steel.
- (iii) Size of Steam boiler: Internal Dia- 15 cms, Depth-50 cms.
- (iv) It must be equipped with Spring loaded Safety valve.
- (v) The Pressure Gauge(Dial type) shall have a nominal diameter of 115 mm and shall be graduated from 0 to 4.1 MPa with scale division of **not more than 0.04 Mpa**. The error in the Gauge shall not exceed plus or minus 0.02 Mpa at the operating pressure of 2.1 Mpa. The Pressure Gauge should have a maximum capacity of 4.2 MPa.
- (vi) The temperature indicator (Dial type) must be capable of maintaining temperature at $215.7 \pm 1.7^{\circ} \text{C}$.
- (vii) The capacity of heating unit shall be such that with maximum load (water +specimens), the pressure of the saturated steam in the autoclave may be raised to a gauge pressure of 2.1 MPa or to an absolute pressure of about 2.2 MPa, in 1 to 1¼ hour from the time the heat is turned on.
- (viii) The automatic pressure control shall be capable of maintaining the pressure at $2.1 \pm 0.1^{\circ}$ MPa corresponding to a temperature of $215.7 \pm 1.7^{\circ} \text{C}$.
- (ix) The autoclave shall be designed to permit the pressure to drop from 2.1 MPa to less than 0.07 MPa in one hour after the heat supply has been shut off.
- (x) It shall be equipped with a vent valve from allowing the escape of air during the early part of the heating period and for releasing any steam pressure remaining at the end of the one hour cooling period.
- (xi) It must be supplied with test bar holder and special rack to hold the specimens above Water level in the autoclave.
- (xii) All measuring devices shall preferably be supplied with calibration certificate from a NABL accredited laboratory.
- (xiii) The apparatus shall be well finished with painting/coating and without sharp edges etc.