



भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

पूर्वी क्षेत्रीय प्रयोगशाला :
पी-230, सी.आई.टी. स्कीम, VIIएम, ब्लॉक-W,
वी.आई.पी. रोड, कंकुरगाछी,
कोलकाता-700 054
EASTERN REGIONAL LABORATORY :
P-230, C.I.T. Scheme VII M, Block-W,
V.I.P. Road, Kankurgachi,
Kolkata - 700 054



Our Ref: EROL /Pur/Mech/AEM-04

18.07.2013

**Subject: Tender for supply of Compressive Strength Testing Machine (CTM)
(AEM-04)"**

TO

Dear Sirs,

Tenders are invited for the supply of the above item(s) in the sealed cover duly super scribed as **"QUOTATION FOR THE SUPPLY OF 500 kN CTM (AEM-04)"** complying the requirements of the enclosed **Annex-I** (The Term and conditions of supply) and **Annex-II** (The Technical Specification of the equipment) which should reach the undersigned latest by 12.30 hrs on 12.08.2013.

- I. While submitting the bid, it is to be ensured that the technical bid and the financial bid should be sealed by the bidder in separate covers duly super scribed and both of these sealed covers are to put in a bigger cover which should also be sealed and duly super scribed.
- II. Bid Security(Also known as Earnest money-EMD) as mentioned in Annex I is to be kept in a separate cover duly sealed and enclosed along with the technical bid .

In case the bidder failed to the above requirements, the Quotation will be rejected. The tenders shall be opened in this office at 15.00 hours on 12.08.2013 in the presence of such tenderers or their duly authorized representatives, who may like to attend.

Thanking you,

Yours faithfully

A. Chakrabarti
Scientist-D

Encl: As above

दुरभाष/Telephone : 91+033-2355-6586, 2355-3243 2355-3244. ग्राम/Gram : मानकसंस्था/MANAKSANSTHA

फैक्स/Fax : 91+033-2355-5300 Website : www.bis.org.in E-mail : erol@bis.org.in

केन्द्रीय प्रयोगशाला : प्लॉट नं 20/9, साइट VI, सहिबाबाद औद्योगिक एरिया, सहिबाबाद-201010. दुरभाष : 91+0120-4177100
Central Laboratory : Plot No. 20/9, Site VI, Sahibabad Industrial Area, Sahibabad-201010. Telephone : 91+0120-4177100

मुख्यालय : मानक भवन, 9, बहादुर साह जफर मार्ग, नई दिल्ली - 110 002. दुरभाष : 91+011-2323-0131 / 3375 / 9402
Headquarters : Manak Bhavan, 9, Bahadur Saha Zafar Marg, New Delhi-110 002. Telephone : 91+011-2323-0131 / 3375 / 9402

ANNEX-I
(Terms and conditions for Tenderer)

- I. The Tenderers are requested to give detailed tender in the forms of two bids i.e.
Part - A Technical Bid.
Part - B Financial Bid.
2. The technical bid and the financial bid should be sealed by the bidder in separate covers duly superscribed and both these sealed covers are to put in a bigger cover which should also be sealed and 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.
3. The successful Bidder(s), on the basis of technical bid may be required to arrange practical demonstration of equipment/model quoted by them at their own cost before opening of financial bid.
4. 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 along with their feedback of last three years,
 - d. Near locations in India from where after sales services shall be provided along with the name of Servicing Agent,
 - e. The details of optional and any other essential items/accessories required and /or to be supplied at free of cost along with the equipment 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-a-vis specification. including statement of deviation, if any ('Annex- III)**
 - 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 affect delivery within the 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 Bidders is required to furnish the Permanent Account Number (PAN)/TAN of the firm Allotted by the Income Tax Department.
5. Every page of technical and financial bid must be signed by the authorized signatory of the bidder along with their stamp.
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 drawn in favor of BUREAU OF INDIAN STANDARDS payable at Kolkata. The sealed envelope containing EMD should be super scribed "EMD"

and stapled separately with the envelope containing the Technical Bids. No disclosure of amount of EMD in Technical 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 and/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. 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.
- d. The Annual Maintenance Contract charges for next three years after the expiry of warranty period.
- e. CIF (Carriage Inward & Freight), Kolkata value both by Airfreight and Ocean freight, where applicable.

8. a. BIS shall pay 90% of the cost after satisfactory installation & commissioning and the Balance **10%, retained as performance** security, would be paid after expiry of warranty period.

b. In case of foreign suppliers 100% payment shall be made by an irrevocable letter of Credit established in favor of the supplier through the Punjab National Bank, Manicktala, Kolkata, 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.

c. The Agency Commission to the Indian Clearing Agent will not be paid by the Bureau. 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, Eastern Regional Office Laboratory,
BUREAU OF INDIAN STANDARDS,
P-230. CIT Scheme-VII M, Block-W, Kankurgachi,
Kolkata-700 054.**

10. Quotations/bids qualified by indefinite expressions such as 'subject to immediate acceptance' etc. and incomplete quotations are liable to 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. All goods shall be inspected by BIS preferably before delivery, at bidder's premises and also 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.

13. **INSTALLATION & COMMISSION:** Bidder shall be responsible for installation, commissioning & demonstration, wherever 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 money will be deducted from any money due or which may become due to the supplier.
14. The supplier shall provide the training to 2-3 persons at the site for the operation free of cost and general routine maintenance after installation.
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 Kolkata Court.

Bureau of Indian Standards
Eastern Regional Laboratory, Kolkata

ANNEX-II

EQUIPMENT SPECIFICATION

Equipment Code: AEM 04

Name of the Equipment: Compressive Strength Testing Machine (CTM)

Total quantity required: One

Purpose: Primarily to test Compressive strength of cement cubes as per IS 269, 455, 1489 (Pt1 & 2), 8112, 12269 and test method according to IS 4031 (Pt 6 & 7)

Technical requirements:

Micro controller based hydraulically operated Compressive strength Testing Machine with suitable AC power supply complies with the requirement of IS 14858: 2000, the fittings & fixtures as laid down in the Indian Standard, as referred to, with the following:-

- 1.0 **Construction:** Shall be according to Cl 3.1 of IS 14858 and capable of providing the rates of loading prescribed in IS 516
- 2.0 **Design:** shall be according to Cl 4.2 & 4.3 of IS 14858
- 3.0 **Range:** 0-500kN with resolution 1kN or better
- 4.0 **Loading:** The machine shall be capable of applying load at specified rate with an accuracy of $\pm 5\%$ over the operating range, uniformly, without shock, using automatic load control.
 - 4.1 **Load scale indicators:** The machine shall be provided with the following:
 - a) Digital display and supplemented by recording devices, that are calibrated to the same accuracy as the display.
 - b) A resettable device which registers the maximum load sustained by the specimen
 - c) Capable to retrieve at least 500 previous records.
 - 4.2 **Rate of loading:** The load shall be applied at a rate of movement corresponding to a loading rate on the specimen within the range of 0.14 or 0.324 MPa/s
 - 4.3 **Accuracy:** The accuracy of the machine shall be such that the percentage of error for the loads within the proposed range of use of the machine shall be within $\pm 1\%$ of the indicated load.

The indicated load of a testing machine shall not be corrected either by calculation or by the use of calibration diagram to obtain values within the required permissible variation.

- 5.0 **Safety Protection**: Machine shall be provided with overload protection and stroke protection.
- 6.0 The machine shall be supplied with calibration certificate from a NABL accredited Laboratory.
- 7.0 Service/repair back up of the machine within the period of grantee/warranty shall be available in Kolkata
- 8.0 There will be a penalty/bank grantee as per the provision of latest General Financial Rules of Government of India.

ANNEX-III

DEVIATION STATEMENT FORM

- 1) The following are the particulars of deviations from the requirements of the tender document and specifications:

SPECIFICATION CLAUSE	DEVIATION	REMARKS (INCLUDING JUSTIFICATION)

PLACE:

DATE:

SEAL & SIGNATURE OF BIDDER

NOTE: 1) Where there is no deviation; the statement should be returned duly signed with an endorsement indicating "No Deviations".