

By Speed Post/Courier

Our Ref: EROL/Pur (Mech)

11-09-2006

Subject: Tender for supply for the following

- 1) Length Comparator with Standard Reference Bar**
- 2) Sieve Shaker**
- 3) Vicat Mould Split type with Clamping Ring**
- 4) Accessories for preparation of Cement Specimen**
- 5) Control Cabinet**
- 6) Flow table Motorized**
- 7) Planetary Mixer with Accessories**
- 8) Brass sieves of different Sizes**
- 9) Consistency Mould**

TO

Dear Sirs,

Tenders are invited for the supply of the above nine (9) items in the sealed cover duly super scribed as **“QUATATION FOR THE SUPPLY OF.....”** Complying the requirements of the enclosed **Annex-A** (The Term and conditions of supply) and **Annex-B** (The Technical Specification of the equipment), separately for each equipment which should reach the undersigned latest by **5-10-2006** .Also ensure to submit the Technical and financial quotations/bids in separate envelopes to facilitate us to follow our rules and regulations. The tenders shall be opened in this office at 1500 hours in the next working day in the presence of such tenderers or their duly authorized representatives, who may like to attend. Also refer our BIS website: www.bis.org.in also for any clarification.

Thanking you,

Yours faithfully,

P.Seshagii Rao
Scientist-E (Director)

Encl: As above

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 affect 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 supercribed “QUOTATION FOR THE SUPPLY OF” (Mention name of the equipment cited in our letter)
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 favor 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** from any nationalized Bank valid till 60 days after warranty /guarantee period, which shall be returned after satisfactory performance .However ,other terms of payment such 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 **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 30 days 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

**NAME OF THE EQUIPMENT: LENGTH COMPARATOR WITH
STANDARD REFERENCE BAR**

QUANTITY REQUIRED : 02 Nos

Technical Requirements

- i) The Equipment shall be as per IS: 9459-1980
- ii) One Dial Gauge of 10 mm range , LC:0.002 mm or better as per Cl. 3.1.1 of IS:9459-1980.
- iii) Standards reference bar as per Cl.3.2 of IS9459 and length 300 +1.5 /-0 mm should be provided
- iv) Preferably be provided with calibration certificate of dial gauge and Standard reference bar from NABL accredited laboratory.
- v) The materials of equipment shall be as per Table-1 of IS:9459-1980
- vi) Shall be Provided with Operating Instructions and Assembly Drawing

ANNEX - B

NAME OF THE EQUIPMENT: SIEVE SHAKER

QUANTITY REQUIRED: 1 NO

Technical Requirements

- i) Shaker shall be provided with digital timer of 0 to 99 minutes.
- ii) Electrically operated and can carry up to 8 sieves
- iii) The sieve shaker shall adjust 200 mm and 300 mm diameter sieves
- iv) The shaker shall have gyratory motion along with tapping motion of table

ANNEX - B

**NAME OF THE EQUIPMENT: VICAT MOULD SPLIT TYPE WITH
CLAMPING RING**

QUANTITY REQUIRED: 10 No

Technical Specification

- i) Vicat Mould Split Type with Clamping Ring
- ii) To be provided with base plate
- iii) For dimensions and other details the Apparatus shall Conform to IS:5513:1996 and Fig.- 2
- iv) The materials of mould shall stainless steel be as per Table-1 of IS:5513-96

ANNEX - B

**NAME OF THE EQUIPMENT: ACCESSORIES FOR PREPARATION
 OF CEMENT SPECIMEN**

QUANTITY REQUIRED: 02 No EACH

Technical Requirements:

- i) The Gauging Trowel, Tamping rod and bar shall be as per IS:10086-1982
- ii) The shape and dimensions are as per Fig. 11 of IS:10086-1982
- iii) The materials shall be mild steel and mass details as per IS:10086-1982

Pl See Fig. enclosed for reference.

ANNEX - B

NAME OF THE EQUIPMENT: CONTROL CABINET

QUANTITY REQUIRED : 1 NO

Technical Requirements

- i) Humidity and Temperature control Chamber
- ii) Digital Humidity & Temperature Display
- iii) Thermostat controlled
- iv) Required Temperature : 27 ± 2 °C
- v) Least Count: 1°C & 1 % RH or better
- vi) Required Humidity 50 ± 5 %
- vii) Chamber size: 1000 X 750 X 600 mm, (Height x Width x depth), approx.
- viii) The Chamber shall be provided with suitable racks for storage of specimen
- ix) The chamber shall have arrangement for controlled air circulation and shall be made from stainless steel with outer surface shall be coated with rust proof coating
- x) The Equipment shall be supplied with calibration certificate from a NABL accredited laboratory preferably for **Humidity and Temperature**

ANNEX - B

NAME OF THE EQUIPMENT: FLOW TABLE MOTORIZED

QUANTITY REQUIRED: 1 NO

Technical Requirements

- i) One Flow Table (Motorized), Supporting stand as per IS:5512-1983
- ii) One conical Mould as per IS:5512-1983 shall be provided
- iii) One Separate motor complete with reduction gear mounted on base
- iv) The materials shall be as per Table -1 of IS:5512-1983
- v) One Allen Key
- vi) One copy of Operating Instructions and Assembly Drawing.
- vii) Pl see Fig. enclosed and IS: 5512 for details.

ANNEX - B

NAME OF THE EQUIPMENT: PLANETARY MIXER WITH ACCESSORIES

QUANTITY REQUIRED: 1 NO

Technical Requirements

- i) One Planetary mixer as per IS:10890-1984 along with accessories
- ii) The materials of parts shall be as per Table-1 of IS:10890-84
- iii) One Paddle and one mixing Bowl
- iv) The mixer shall be supplied with speed ranges as per Cl. 3.1 of IS:10890
- v) One Copy of operating Instructions and Assembly drawing.

Pl refers Fig enclosed for details.

ANNEX - B

NAME OF THE EQUIPMENT: BRASS SIEVES, DIFFERENT SIZES

QUANTITY REQUIRED: 1 NO OF EACH SIZE

Technical Requirements

- i) Depth of sieves 10 to 100 mm
- ii) Diameter: 200 mm with sieve sizes: 90 μ , 500 μ and 1 mm
- iii) Diameter 300 mm with sieve size: 2, 5 mm
- iv) The sieves shall be made of anti corrosive materials
- v) Sieves should preferably supplied with ISI mark

ANNEX - B

NAME OF THE EQUIPMENT: CONSISTENCY MOULD

QUANTITY REQUIRED: 4 NOs

Technical Requirements

- i) The truncated conical Vicat mould shall be as per Clause 5.6 of IS:5513-96 along with stainless steel base plate
- ii) For other details mould Shall Conform to IS:5513:1996