

**Department of Civil Engineering  
Indian Institute of Engineering Science and Technology, Shibpur  
Howrah-711 103**

Date: 5 September 2017

**NOTICE INVITING QUOTATION**  
**(CE/PL/GTE Lab/Prm&Comp/Sep 2017/04)**

Sealed tenders are invited by the Civil Engineering Department, Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103 for the supply of **Permeability Test Apparatus and Compaction (Standard & Modified) Apparatus**, for Geotechnical Engineering Laboratory, Department of Civil Engineering, Indian Institute of Engineering Science and Technology, Shibpur.

Tender Documents containing details of the items and terms and conditions may be downloaded from the institute website and completed bidding documents are to be submitted to the **Head, Department of Civil Engineering, Indian Institute of Engineering Science and Technology, Shibpur; Howrah-711103 within 13.09.2017 (12:00 noon)**.

The rate should clearly indicate the GST break up.

For details contact:

Dr. A. K. Bera, associate Professor & Incharge, Geotechnical Engineering Laboratory

Enclosed:

**Section- I: General Conditions and Important Instructions for Bidders.**

**Section-II: Specification of the Items**

Head, Civil  
Engineering Department, IEST, Shibpur

## **SECTION-I: General Conditions and Important Instructions for Bidders**

- It is necessary to submit the original tender documents along with technical and price bids to the **Office of the Department of Civil Engineering, Indian Institute of Engineering Science and Technology (IEST), Shibpur; Howrah-711103.**
- Bidders are to abide by the terms and condition and submit this tender document in original duly signed with acceptance of the terms and conditions.
- Last date of receipt of tender is **13.09.2017 (12:00 noon)**. Tenders received late will not be accepted under any circumstances. Tenders will be opened in presence of the willing representative of the agency submitted the tender on the **same day at 4:00 pm**. In case the Institute remains closed on the said date tenders will be received and opened on next working day at same time.
- The Price Bid should clearly mention the price in Rupees including the following:
  - ✓ Delivery charges up to Department of Civil Engineering, IEST, Shibpur, Howrah, including loading and unloading charges.
  - ✓ All taxes, GST, duties, levies as applicable.
  - ✓ Demonstration of the item as per the satisfaction of the Laboratory Incharge
  - ✓ Erection, Commissioning and testing charges at Geotechnical Engineering Laboratory, Department of Civil Engineering, IEST, Shibpur
- DGS&D rate contract price will be preferred wherever applicable. The Institute will not issue any C or D form availing for concessional Sales Tax/ VAT. The Institute will issue Customs Duty Exemption Certificate or Excise Duty Exemption Certificate for foreign purchase, if required.
- Warranty of equipment should be not less than 12 months.
- The equipment/goods are to be supplied at the Geotechnical Engineering Laboratory, Department of Civil Engineering, Indian Institute of Engineering Science and Technology between 11.00 am and 4.00 pm from Monday to Friday except holidays. The bidders will be responsible for any breakage, damage or defect in the equipment detected subsequently.
- Period of delivery of equipment/ execution of work should be within two week from the date of issue of Purchase Order. If the supply/execution is not completed within the stipulated period as indicated in the Purchase Order a Liquidated Damage @0.5% per week will be imposed on the value of purchase order subject to maximum of 5% of the value of work order.
- Invoices in triplicate with GST break up should be presented for payment within 7 days of supply/ commissioning of work. No advance is paid for execution of the order. The Order No. is to be noted on both Challan and Invoices. All bills are to be accompanied by order copies and Challan receipt.
- Payment will be made on submission of Proper Bills, Challans etc. by A/C Payee Cheque or bank transfer and no cash payment will be made under any circumstances.
- All payments are subjected to statutory deductions as and when applicable.
- Tender is to be kept valid for acceptance for 3 months with effect from the last date of submission of the tender without any modifications in its terms and conditions.
- The rates of the items mentioned in Section II should be given separately.
- Following documents are to be submitted with the tender:
  - ✓ Tender Documents, General Conditions and Important Instruction in original duly signed by the Proprietor/ Partner/ Director of the company.
  - ✓ Latest Income Tax, Sales Tax, Professional Tax clearance certificates and copy of valid Trade License
  - ✓ Bid according to specifications.
  - ✓ Certificates and Literature in support of the item.
  - ✓ GST No. and copy of the relevant documents
  - ✓ A certificate in company's letterhead which is to be signed by the authorized representative stating that all conditions mentioned in the Tender Document have been accepted by the company.
- Authority reserves all rights to accept/reject any/all quotation without showing any reason.

**Head, Civil Engineering**

## **SECTION-II: Specification of Permeability Apparatus**

### **1. Permeability Apparatus (Constant and a variable head )**

The equipment should comprise Metal Mould of size, 100 mm × 127.3 mm high ( Vol. 1000 ml ), Metal mould extension collar of 100 mm diameter × 60 mm high for the above mould, Metal Drainage base plate with porous stone and with an outlet valve, Metallic clamping ring, Metal drainage cap (Top plate with a recess for a porous stone and fitted with an inlet valve and an air release valve), Metal dummy plate to serve as a false bottom during compaction. Porous stone for drainage cap. Porous stone for base plate. Set of 6 nos of glass stand pipes approximately 4mm, 6 mm, 10 mm, 14mm, 20mm, 25 mm diameter mounted on a wooden board (Water resistant). Each glass tube is longer than 1 meter and has a serrated end at the bottom. To read water head meter scales are fixed between the tubes. The equipment should comply to IS: 2720 (part 17 )

### **2. Compaction Apparatus (Standard)**

Standard proctor compaction in accordance with ASTM D698 includes Compaction mould ,100 mm dia & vol. 1000cc with collar and base plate , Hammer 2.6kg ( weight ) × 300 mm freefall

### **3. Compaction Apparatus (Modified)**

Modified compaction in accordance with ASTM D1557 includes Compaction mould ,100 mm dia & vol. 1000cc with collar and base plate, Hammer 4.5kg ( weight ) × 450 mm freefall