

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

Date: 4 December 2017

NOTICE INVITING QUOTATION

(CE/PL/TRE Lab/ Skid Tester & Impact Testing / Dec 2017/15)

Sealed tenders are invited by the Civil Engineering Department, Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103 for the supply of **Skid Resistance Tester and Aggregate Impact Testing Machine** for Transportation Engineering Laboratory, Department of Civil Engineering, Indian Institute of Engineering Science and Technology, Shibpur.

Sealed Technical and Financial bids are to be kept separately inside a bigger sealed envelope. On the top of that outer envelope the Tender Notice Number and the Agency's name, address, mobile and email are to be clearly mentioned.

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 14.12.2017 (3:00 pm)**.

The rate should clearly indicate the GST break up.

For details contact:

Dr. T. K.Roy, Assistant Professor & Incharge, Transportation 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.
- Last date of receipt of tender is **14.12.2017 (3.00 pm)**. Tenders received late will not be accepted under any circumstances. Tenders will be opened 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 duly authorized representative of the agency may be present during tender opening.
- 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 Transportation 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 Transportation 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.
 - ✓ Proof of having ISO certification given by appropriate authorities.
 - ✓ Proof of successful completion of at least two work orders at reputed organizations/Institutions, of similar item during last one year (copies of the purchase/work order will have to be enclosed).
- Authority reserves all rights to accept/reject any/all quotation without showing any reason.

Head, Civil Engineering Department, IEST, Shibpur

SECTION-II: Specification of Items

1. Skid Resistance Tester

This apparatus is used to measure antiskid performance of high grade roads and airport pavement, both in the lab and in-situ. The apparatus should consist of a spring loaded rubber slider mounted on a pendulum arm. The arm needs to be adjusted vertically from a rigid support column. The base should consist of three adjustable feet so that the swing of the pendulum during the test moves through a truly circular path while it is operated directly on a road surface. The machine should conform to BS 812-114

2. Aggregate Impact Testing machine

The machine is used for determining the impact value of coarse aggregates. The total mass of the machine have to be between 45 kg to 60 kg. It should have a cast iron base weighing between 20 kg to 30 kg with a plane lower surface of not less than 300 m diameter. Three 100 mm holes must be provided in the base plate for securing the machine firmly and evenly to the foundation. It should conform to IS: 9377 with the following replaceable parts:

- Cylindrical Mild Steel Cup of diameter 100 ± 0.25 mm, Depth 50 ± 0.25 mm and thickness 7 ± 1 mm.
- A cylindrical steel measure of sufficient rigidity to retain its form under rough usage. It must have a Diameter 75 ± 1 kg, Depth 50 ± 1 mm, Shell thickness (Min.)
- A straight steel tamping Rod of 10 mm diameter. 230 mm long and rounded at one end.
- Automatic Blow Counter.