

**DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR
P. O. Botanic Garden, Howrah, West Bengal-711103, India
Phone: 033-26684561 FAX:033-26682916**

Tender reference No: IESTS/CE/TRE/EQUIPMENT/2022-23/02

Date: 30.01.2023

NOTICE INVITING TENDER

Sealed tenders are invited by the Civil Engineering Department, Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103 for the supply of **1) Ring and Ball Apparatus, 2) Standard Digital Penetrometer, 3) Proving Ring (30 kN capacity)** in Transportation 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** or dropped into the Tender Box kept in the Department **within February 13, 2023(4:30 pm)**.

For further clarification, please contact Prof. Sandip Chakraborty (9830733143).

Enclosed: **Section- I: General Conditions and Important Instructions for Bidders.**
 Section-II: Specification of the Items.

*Head
Department of Civil Engineering
IEST, Shibpur*

SECTION-I: General Conditions and Important Instructions for Bidders

1. Interested parties/vendors are to download the tender documents with detailed specifications from the institute website (www.iiests.ac.in)
2. It is necessary to submit the original tender documents along with technical and price bids to the **Office, Department of Civil Engineering, Indian Institute of Engineering Science and Technology (IEST), Shibpur; Howrah-711103.**
3. 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.
4. Last date of receipt of tender is **February 13, 2023(4:30 pm)**. Tenders received late will not be accepted under any circumstances. Tenders will be opened in the Department of Civil Engineering, on the same day at 4:45 pm. In case the Institute remains closed on the said date, tenders will be opened on next working day at 4:30 pm.
5. The Price Bid should clearly mention the price including the following:
 - Delivery charges up to Transportation Engineering Laboratory, Department of Civil Engineering, IEST, Shibpur, Howrah, including loading and unloading charges.
 - All taxes, duties, levies applicable.
 - Erection, Commissioning and testing charges at Transportation Engineering Laboratory, Department of Civil Engineering, IEST, Shibpur site
6. 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.
7. 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.
8. Period of delivery of equipment/ execution of work should be within two weeks 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.
9. GST as per rule.
10. Bills in triplicate 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 Bill. All bills are to be accompanied by order copies and Challan receipt.
11. Payment will be made on submission of Proper Bills, Challans etc, by A/C Payee Cheque and no cash payment will be made under any circumstances.
12. All payments are subjected to statutory deductions as and when applicable.
13. Tender is to be kept valid for acceptance for 3 months with effect from the last date of issue of the tender without any modifications in its terms and conditions.
14. Documents mandatory 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 as a token of acceptance of Terms and Conditions of Tender.
 - 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.
15. Authority reserves all rights to accept/reject any/all quotation without showing any reason.

I/We accept the above terms and conditions.

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Section-II: Specification of the Items

Sl. No	Item/Work Description	Quantity
1	<p><u>RING AND BALL APPARATUS</u></p> <p>This apparatus is meant for determination of softening point of bituminous and petrochemical materials according to IP 58 and IS 1205. The apparatus consists of Glass beaker of heat resistant glass of internal dia 8.5 cm X 12 cm depth (approx.), Two steel balls each of 9.5 mm dia, two tapered brass rings, two ball guides, ring stand and a motorized stirrer fitted with AC Motor with heater and temperature regulator. Rate of rise of temperature @ 5°C per minute.</p>	01 no.
2	<p><u>STANDARD DIGITAL PENETROMETER FOR BITUMEN - AUTOMATIC DIGITAL TIMER - Compliance Standards IS 1203, IS 1448. ASTM D5</u></p> <p>The apparatus consists of a cast aluminium base with an iron stand on which moves an aluminium arm. A 6" dial is fixed on this arm and a brass chromium plated rod slide through the lower portion of the arm. A needle with weights is fitted to this rod. The dial is graduated from 0-400 in one tenth millimetre sub division. Supplied complete with adjustable needle holder, penetration needle, sample container, transfer dish and weight of 50 gm. with automatic DIGITAL timer with electrical arrangement. It has an automatic timer controller. The automatic timer supplies 220 V, D.C. output for exactly 5 seconds to a timing head (built in electromagnet). The timer head allows the plunger rod to fall freely for 5 seconds and clamps it automatically after 5 seconds. Suitable for operation on 220 V, 50 Hz, single phase supply.</p>	01 no.
3	<p><u>PROVING RING-COMPRESSION TYPE-30 KN-WITH DIAL GAUGE</u></p> <p>Used for load compression measurement applied by the testing machine. The Proving Rings are made of special steel, carefully forged to provide high and stable accuracy, dependability and repeatability. The dial gauge and anvil are mounted on U-brackets clamped to the ring body by set screws. The indicator has a sensitivity of 0.002 mm/div and the deflection is directly proportional to the applied load. Capacity of this ring is 30 KN (3000 kgf). The rings are supplied complete with dial gauge and Works Calibration Chart, individually packed in polished wooden boxes. Separate Pair of Loading Pads are provided to suit each proving ring. Supplied with our own calibration report and traceability certificate. NPL (India) / NCCBM Calibration Certificates can also be arranged for any proving ring.</p>	01 no.