

Department of Civil Engineering
Indian Institute of Engineering Science and Technology, Shibpur
(Formerly Bengal Engineering and Science University, Shibpur)

July 12, 2018

Notice Inviting Quotations

DRC/DST-WOS-A/CE/CD (AG)/029/17-18/002

Sealed tenders are invited by the Civil Engineering Department, Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103 for the supply of the following item for Geotechnical Engineering Laboratory under DRC/DST-WOSA/CE/CD (AG)/029/17-18 of Prof. Ambarish Ghosh.

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 23rd July, 2018 (4:00 pm).

The intended vendors/manufacturers are requested to submit technical and financial bid in separate sealed envelopes within stipulated time.

The procurement is for the purpose of research activity only vide Circular No. 170F/2017-18/194 dated 09.02.2018 of IEST, Shibpur

For any clarification you can contact to Prof. Ambarish Ghosh (9831286527).

Enclosures Section-I: General conditions and Important Instructions for Bidders.
Section-II: Specification of the Items.

Prof. Anirban Gupta
Professor & Head,
Department of Civil Engineering
IEST, Shibpur

Name of Product:

1. **Dynamic loading arrangement with Repeated Wheel Loading application (RWL)**

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Section I: General Conditions and Important Instructions for Bidders

1. Interested parties/vendors are requested 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/price bids in separate sealed envelopes to the Head, Department of Civil Engineering, Indian Institute of Engineering Science and Technology (IIEST), Shibpur; Howrah-711 103
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 23rd July, 2018 (4:00 pm).Tenders received at late will not be accepted under any circumstances. Tenders will be opened in the Seminar Hall or in any other place of the Civil Engineering Department, on the same day at 4:15 pm. In case the Institute remains closed on the said date, tenders will be received and opened on next working day at same time.
5. The Price Bid should clearly mention the price including the following: Transport cost, Toll Tax, Parking, All taxes (especially GST), duties, levies applicable.
6. DGS & D rate contract price will be preferred wherever applicable.
7. The equipment is to be supplied at the 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 should be within one month from the date of issue of Purchase Order.
9. Bills in triplicate should be presented for payment within 7 days of supply of the equipment. No advance is paid for execution of the order. The Purchase Order No. is to be noted on both Challan and Bill. All bills are to be accompanied by order copies and Challan receipt.
10. 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.
11. All payments are subjected to statutory deductions as and when applicable.
12. 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.
13. 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, GST, Professional Tax clearance certificates and copy of valid Trade License
 - Bid according to specifications.
 - Certificates and Literature in support of the item.

I/We accept the above terms and conditions.

Signature of vendor with Date & Seal

Section – II Specification of the Equipment

Sl. No.	Equipments	Specifications
1	<p>Dynamic loading arrangement with Repeated Wheel Loading application (RWL)</p>	<ul style="list-style-type: none"> • Load Profile type: Near Sinusoidal (RMS) & continuously variable as per PLC programme.. One actuator and load cell attached with the loading frame • Loading time 0 to 350 kg within 4 sec. And release within 2 sec. • Time range in PLC : 0-60 min • The arrangement provided with a rigid structure to withstand 350 Kg automatic electrically operated dynamic loading. • The load to be applied to Steel pressure vessel for RWL application as per programmed from PLC through Actuator and load cell • Dynamic Repeated wheel loading arrangement from 0 to 350 kg. Automatic & electrically operated. • Embedded Load transducer for in situ load measurement in real time • A 400 kg force transducer with fast response within second need to be embedded in between Dynamic load generator and Apex of test area. • The Force transducer output should be as per acceptable industrial protocol need to be connected with Programmable logic Controller (PLC) for Control feedback. • A tyre (tubeless) fitment arrangement with easy removal of a Real car tyre of 12 inch to be provided • The design of the load applicator need to be synchronized with pressure vessel supplied for test material. <p>SIZE & placement :</p> <p>The test vessel height is about 1 m above the ground level so the. The loading point of structure need to be more than 1m above the ground level. And the dynamic loading mechanism should place above the structure.</p> <p>* Certified by NABL accredited lab with traceability to be provided by supplier.</p> <p>Vendors needs to provide credentials for executing such projects of Dynamic Load profile generation For Govt. Research or Educational institute of CSIR or National reputed</p>