

**Office of the Dean Research and Development  
Indian Institute of Engineering Science & Technology (IEST), Shibpur  
Howrah-711 103**

**Tender Notice: CE/TKR/01/18-19 , Date: 20.04.2018**

**Department of Civil Engineering  
Indian Institute of Engineering Science and Technology, Shibpur  
Howrah – 711103, West Bengal, INDIA**

**Project Code: DRC/KPT-CON/CE/TKR/003/18-19**

**Tender Advt. No. CE 1368, dated 23.04.2018**

**Notice Inviting Tender**

Sealed Tenders are invited from bonafide and experienced agencies for carrying out following I) Benkelman Beam Deflection Test and II) Axle Load Survey for a project sponsored by Haldia Dock Complex under Kolkata Port Trust. The relevant bidding document can be downloaded from the website. Last date of submission of tender quotation is 27.04.2018 by 3.00 pm.

**Dean (R & D)**

**(A. Code DRC-T006/18-19)**

*This is downloadable*

**INDIAN INSTITUTE OF ENGINEERING SCIENCE AND  
TECHNOLOGY, SHIBPUR**



**BIDDING DOCUMENT**

**(Project Code: KPT-CON/CE/TKR/003/18-19)**

*For performing the following tests*

- (i) Benkelman Beam Deflection Test***
- and***
- (ii) Axle Load Survey***

**Department of Civil Engineering**

**April 20, 2018**

**SECTION I: TERMS & CONDITIONS AND IMPORTANT INSTRUCTIONS  
FOR BIDDERS**

1. Bidders are to invited to submit sealed quotation as per the technical specifications for tendered item to Dr. Tapas Kumar Roy, Assistant Professor, Department of Civil Engineering, **on or before 27<sup>th</sup> April** between **10.30 a.m. to 3.00 p.m.** except Saturday, Sunday and other public holidays.
2. The last date of receipt of tenders is **27<sup>th</sup> April 2018 up to 3.00 p.m.** quotations received later will not be entertained under any circumstances.
3. Date and time of opening of bid is **27<sup>th</sup> April, 2018 at 4.00 p.m.** and the place of opening of bid is office Room of the Department of Civil Engineering, Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103.
4. Bidders are to submit the quotations in Sealed Cover to the Department of Civil Engineering in the following address:

**Dr. Tapas Kumar Roy  
Assistant Professor  
Department of Civil Engineering  
Institute of Engineering Science and Technology, Shibpur  
Howrah-711103, India**

5. All bids should be submitted in ONE-BID (TECHNO-COMMERCIAL BID).  
  
TECHNO-COMMERCIAL BID - giving Detailed Specifications, Technical Details, payment terms, warranty, etc. along with PRICE BID - giving full Prices in Indian Rupees (only) for Tendered items.
6. The selected agency should conduct the work with necessary equipments and by adequate number of enumerators and should submit the hard copy of the test result. The bidder should be ready to make all arrangement for conducting test/survey including all necessary approval.
7. Bidders should have experience of conducting relevant test and survey work.
8. The quoted rate should include all charges including all taxes. The rate of GST should be categorically mentioned.
9. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
10. The bidder should produce all necessary documents for GST, PAN, and Trade License etc.
11. Indian Institute of Engineering Science and Technology, Shibpur has the right to reject all quotations without showing any reason.

We accept the above terms and conditions.

Signature of Bidders/Suppliers  
With date & Seal

## **SECTION II: TECHNICAL SPECIFICATIONS**

### **(i) Specifications for: *Benkelman Beam Deflection Test***

1. Benkelman Beam Deflection (BBD) Test for Anchorage Camp at Haldia Township to Durgachal Level Crossing.
2. BBD covers the determination of the characteristics deflection of the above cited road of length approximately 12.0 km under a standard wheel load and tyre pressure with temperature measurement.
3. BBD test shall be conducted as per IRC: 81-1997.
4. Soil samples will be collected as per procedure laid in the above cited code for determining the subgrade type, plasticity index and field moisture content as per IS-2720.
5. The selected agency should conduct the work with necessary equipments and by adequate number of enumerators and should submit the hard copy of the test result.

### **(ii) Specifications for: *Axle Load Survey***

1. Axle Load Survey is to be conducted by portable axle weight pad for continuous 24 hours at 2 locations on the road stretching from Anchorage Camp at Haldia Township to Durgachal Level Crossing. 10% of all commercial vehicles including bus has to be surveyed.
2. The Axle Load survey should be conducted as per IRC:SP:19.
3. The selected agency should conduct the work with necessary equipment and by adequate number of enumerators and should submit the hard copy of the survey sheet.