

GEOTECHNICAL ENGINEERING LABORATORY

CIVIL ENGINEERING DEPARTMENT

NIQ

Date:08.11.2013

One Digital Shear Test Apparatus (Imported) with the following specifications for determination of drained/undrained shear strength of soil:

- Equipment should be electrically/ digitally controlled, is driven by a high resolution steppers motor and worm reduction control.
- Reversible stepping motor for residual strength test.
- Display of speed, variable speed drive from 0.00001 to 9.99999 mm/min
- Speed drive ratio: stepper motor 1/10000 resolution
- Vertical load is directly applied to the specimen through loading frame carrying weight and can be increased using beam loading device. The frame must be capable of applying loads ranging from 500N to 5000N
- Maximum shear force: 5000N
- Horizontal travel: preset via firmware up to 20mm
- Specimen size: 60mm square (Rate of 100 mm square must be quoted as an optional item)
- Safety device mechanism to prevent overload and over travel.

The quotation should be addressed to Dr. R.Ayothiraman, Department of Civil Engineering, IIT Delhi, Hauz Khas, New Delhi – 110016 (India) latest by 5.00 pm on 6th December 2013. The interested parties are requested to submit the technical and commercial bids in separately sealed envelopes and marked “Technical Bid” and “Commercial Bid” on the outside. The validity of quotation should be atleast three months.

Dr. R.Ayothiraman