

Sealed quotations are invited for the purchase of the following items by I I T Delhi confirming to Technical Specification, terms and conditions as given below:

Technical Specification for IMPORTED/ INDIAN Digital Consolidation Test Apparatus

Quantity: one

Description of item:

Digital Consolidation Test Apparatus conforming to essential requirements of IS 2720 PT (XV) and BS 1377. Should be totally automatic, loading and unloading be controlled through windows based software. Stress shall be maintained by controlling the rotation of micro stepper motor. Stress shall be maintained on feedback basis by signals received from load cell.

Loading Frame – 20 kN capacity

Consolidation Cell: 60mm diameter x 20mm height

Dedicated Computer

Displacement Sensor-15 mm travel (0.001mm least count)

Load cell 20 kN capacity

Software for consolidation test should be manual/automatic and

- (i) Calculate dry density, initial void ratio and moisture content of specimen.
- (ii) Plot t vs deformation.
- (iii) Plots void ratio vs effective stress and also give value in tabular form.
- (iv) Calculate C_c, a_v, m_v and C_v for all stress increment.
- (v) Desired load and unloading cycles can be performed.
- (vi) Gives past consolidation pressure for the soil.
- (vii) Has the option for manual as well as automatic recording.

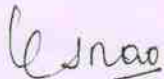
Price should be quoted should be CIF New Delhi

Exclusive selling agent and servicing capacity certificate required from Parent company

The Last date for price offer is November 19, 2009 before noon.

The validity of Price offer should be Three months.

Sealed quotation should be submitted to:


26.10.09

Prof. K. S. Rao

O/I, Geotechnical Engineering Laboratory,
Civil Engineering Department I I T Delhi,
Hauz Khas, New Delhi-110016, INDIA