

## IN-SITU VANE SHEAR TEST APPARATUS MODEL NO SL -GT - 082, MAKE - LABTEK, ORIGIN - INDIA



### IS 4434

This apparatus is designed for conducting in-situ Vane shear test from the bottom of bore hole in saturated cohesive deposits, for determining their in-place shearing resistance. The equipment consists of a torque applicator assembly mounted on a base. A gear wheel, which is marked in degrees, holds a torque ring and is geared to a crank. The torque ring has a section cut from it and deforms as torque is applied and the resultant deformation is indicated by a dial gauge. A pointer is provided for registering the rotation of the vane. A detachable stand is provided to anchor the instrument. An attachment to securely hold the string of rods is provided. A calibration curve to convert the dial gauge readings to kg-cm of torque is also supplied.