

(PREVIEW)

Indian Standard

**CODE OF PRACTICE FOR CALCULATION OF
SETTLEMENTS OF FOUNDATIONS**

**PART I SHALLOW FOUNDATIONS SUBJECTED TO
SYMMETRICAL STATIC VERTICAL LOADS**

1. SCOPE

1.1 This standard (Part I) provides simple methods for the estimation of immediate and primary consolidation settlements of shallow foundation under symmetrical static vertical loads. Procedures for computing time rate of settlement are also given.

1.2 This standard does not deal with catastrophic settlement as the foundations are expected to be loaded only up to the safe bearing capacity. Analytical methods for the estimation of settlements due to deterioration of foundations, mining and other causes are not available and, therefore, are not dealt with. Satisfactory theoretical methods are not available for the estimation of secondary compression. However it is known that in organic clays and plastic silts, the secondary compression may be important and, therefore, should be taken into account. In such situations, any method considered suitable for the type of soil met with may be adopted by the designer.