

(PREVIEW)

Indian Standard
CODE OF PRACTICE FOR
***IN-SITU* DETERMINATION OF ROCK MASS**
DEFORMABILITY USING A FLEXIBLE
DILATOMETER

PART 1 WITH VOLUME CHANGE

1 SCOPE

1.1 This standard covers the method for determination of deformation modulus of rock *in-situ* using an expanding probe (dilatometer) to exert pressure on the walls of a drillhole. The resulting diametral hole expansion (dilation) is determined from measurements of the volumetric expansion of the probe. Deformability characteristics of the rock mass at the dilatometer location may be calculated from the relation between pressure and dilation.

2 REFERENCES

2.1 The Indian Standards listed in Annex A are necessary adjust to this standard.

ANNEX A

(Clause 2.1)

LIST OF REFERRED INDIAN STANDARDS

| <i>IS No.</i> | <i>Title</i> |
|-----------------------|--|
| 11315 (Part 1) : 1987 | Method for the quantitative description of discontinuities in rock mass: Part 1 Orientation |
| 11315 (Part 2) : 1987 | Method for the quantitative description of discontinuities in rock mass: Part 2 Spacing |
| 11315 (Part 3) : 1987 | Method for the quantitative description of discontinuities in rock mass: Part 3 Persistence |
| 11315 (Part 4) : 1987 | Method for the quantitative description of discontinuities in rock mass: Part 4 Roughness |
| 11315 (Part 5) : 1987 | Method for the quantitative description of discontinuities in rock mass: Part 5 Wall strength |
| 11315 (Part 6) : 1987 | Method for the quantitative description of discontinuities in rock mass: Part 6 Aperture |
| 11315 (Part 7) : 1987 | Method for the quantitative description of discontinuities in rock mass: Part 7 Filling |

| <i>IS No.</i> | <i>Title</i> |
|------------------------|--|
| 11315 (Part 8) : 1987 | Method for the quantitative description of discontinuities in rock mass: Part 8 Seepage |
| 11315 (Part 9) : 1987 | Method for the quantitative description of discontinuities in rock mass: Part 9 Number of sets |
| 11315 (Part 10) : 1987 | Method for the quantitative description of discontinuities in rock mass: Part 10 Block size |
| 11315 (Part 11) : 1985 | Method for the quantitative description of discontinuities in rock mass: Part 11 Core recovery and rock quality |