

(PREVIEW)

IS 14344 : 1996

Indian Standard

DESIGN AND CONSTRUCTION OF DIAPHRAGMS FOR UNDER - SEEPAGE CONTROL - CODE OF PRACTICE

1 SCOPE

1.1 This standard covers the design and construction of diaphragm walls to be used as positive impervious cut-offs for dams, weirs and barrages as an under-seepage control measure.

1.2 Diaphragm walls required for other structures are not covered in this standard

2 REFERENCES

2.1 The Indian Standards given in Annex A are necessary adjuncts to this standard.

2.2 For the definitions of various terms used in this standard, reference may be made to relevant parts of IS 4410.

ANNEX A

(Clause 2.1)

LIST OF REFERRED INDIAN STANDARDS

<i>IS No</i>	<i>. Title</i>
269 : 1989	Specification for 33 grade ordinary Portland cement (<i>fourth revision</i>)
383 : 1970	Specification for coarse and fine aggregates from manual sources for concrete (<i>second revision</i>)
432 (Part 1) : 1982	Specification for mild steel and medium tensile steel bars and hard drawn steel wire for concrete reinforcement : Part 1 Mild steel and medium tensile steel bars (<i>third revision</i>)
455 : 1989	Specification for Portland slag cement (<i>fourth revision</i>)
456 : 1978	Code of practice for plain and reinforced concrete (<i>third revision</i>)
1139 : 1966	Specification for hot rolled mild steel, medium tensile steel and high yield strength steel deformed bars for concrete reinforcements (<i>revised</i>)
1489 (Part 1) : 1991	Specification for Portland cement: Part 1 Fly ash based (<i>third revision</i>)
1489 (Part 2) : 1991	Specification for Portland cement: Part 2 Lined clay based (<i>third revision</i>)
1498 : 1970	Classification and identification of soils for general engineering purpose (<i>first revision</i>)
1786 : 1985	Specification for high strength deformed steel bars and wires for concrete reinforcement (<i>third revision</i>)

1892 : 1979	Code of practice for sub-surface investigations for foundations (<i>first revision</i>)
2116 : 1980	Specification for sand for masonry mortars (<i>first revision</i>)
4999 : 1991	Recommendation for grouting of pervious soils (<i>first revision</i>)
6955 : 1973	Code of practice for sub-surface exploration for earth and rockfill dam
8041 : 1990	Specification for rapid hardening Portland cement
12584 : 1989	Specification for bentonite for grouting in civil engineering works