

Indian Standard

DESIGN AND CONSTRUCTION OF PILE FOUNDATIONS — CODE OF PRACTICE

PART 4 LOAD TEST ON PILES

(*Second Revision*)

1 SCOPE

1.1 This standard (Part 4) covers the load test on all types of piles covered in IS 2911 (Part 1/Sec 1), IS 2911 (Part 1/Sec 2), IS 2911 (Part 1/Sec 3), IS 2911 (Part 1/Sec 4), IS 2911 (Part 2) and IS 2911 (Part 3) and provides guidelines for determination of safe load based on the following types of loadings:

- a) Vertical load test (compression),
- b) Lateral load test, and
- c) Pull-out test.

1.1.1 High strain dynamic test, static test and embedded load cell method are beyond the scope of this standard.

1.2 Load tests under vibratory loads, moments and other forces and sequence of loading under special circumstances like yield load capacity of buckling piles are not covered in this standard.

2 REFERENCES

The standards listed below contain provisions, which through reference in this text constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

<i>IS No.</i>	<i>Title</i>
1904:1986	Code of practice for design and construction of foundations in soils — General requirements (<i>third revision</i>)
2911	Design and construction of pile foundations — Code of practice:
(Part 1)	Concrete piles,
(Sec 1): 2010	Driven cast <i>in-situ</i> concrete piles (<i>second revision</i>)
(Sec 2) :2010	Bored cast <i>in-situ</i> concrete piles (<i>second revision</i>)
(Sec 3):2010	Driven precast concrete piles (<i>second revision</i>)

IS No.

Title

(Sec 4):2010	Precast concrete piles in prebored holes (<i>first revision</i>)
2911	Code of practice for design and construction of pile foundations:
(Part 2):1980	Timber piles (<i>first revision</i>)
(Part 3):1980	Under reamed piles (<i>first revision</i>)