

Indian Standard

SEISMIC EVALUATION AND STRENGTHENING OF EXISTING REINFORCED CONCRETE BUILDINGS — GUIDELINES

1 SCOPE

1.1 This standard is particularly concerned with the seismic evaluation and strengthening of existing buildings and it is intended to be used as a guideline.

1.2 This standard provides a method to assess the ability of an existing building to reach an adequate level of performance related to life-safety of occupants. Therefore, the emphasis is on identification of unfavourable characteristics of the building that could result in damage to either part of a building or the entire structure.

2 REFERENCES

The following standards contain provisions, which through reference in this text, constitute provisions of the 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>
456: 2000	Code of practice for plain and reinforced concrete (<i>fourth revision</i>)
1893 (Part 1) : 2002	Criteria for earthquake resistant design of structures: Part 1 General provisions and buildings
13920 : 1993	Ductile detailing of reinforced concrete structures subjected to seismic forces — Code of practice