

भारतीय मानक

भवनों के अन्दर और बाहर के सुरक्षात्मक अवरोध –
सुरक्षा संहिता

Indian Standard

**PROTECTIVE BARRIERS IN AND AROUND
BUILDINGS – CODE OF SAFETY**

UDC 69.055.4 - 783.31 : 614.89

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BUREAU OF INDIAN STANDARDS
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FOREWORD

This Indian Standard was adopted by the Bureau of Indian Standards, after the draft finalized by the Safety in Construction Sectional Committee had been approved by the Civil Engineering Division Council.

A large number of workmen, skilled and unskilled, are employed in numerous construction works, big and small, under execution in the country. Due to the increased tempo of such works and large scale mechanization, hazards of accidents have increased considerably. It has, therefore, become imperative that adequate safety rules are laid down for every phase of work, and that these are meticulously followed.

Safety aspects in some of the constructions may assume such a great importance that instead of merely deputing supervisory staff in adequate strength to look after the safety aspects, it may become desirable to have a separate organization to control this important aspect.

Certain protective barriers in and around buildings are required specially during demolition of buildings and foundation work for the safety of workers and the public in general. It has, therefore, been felt necessary to lay down the safety precautions required to be taken for protective barriers in and around buildings with a view to minimizing the risk of accidents and injuries and accordingly this standard has been brought out. It does not cover special type of protective barriers like safety nets, protective coverings necessitating separate scaffolding.

Indian Standard

PROTECTIVE BARRIERS IN AND AROUND BUILDINGS — CODE OF SAFETY

1 SCOPE

This standard lays down the requirements for protective barriers in and around buildings during construction, maintenance, addition and alteration, and demolition with a view to preventing accidents.

2 REFERENCE

The Indian Standard IS 13416 (Part 1) : 1992 'Preventive measures against hazards at workplaces — Recommendations: Part 1 Falling material hazards prevention' is a necessary adjunct to this standard.

3 GENERAL

3.1 Scaffolding or staging shall be suitable and adequate and so fastened to prevent it from swaying from the building or structure. Partially or fully dismantled scaffolding, staging or barrier shall be removed from the site of work and stacked at suitable place.

3.2 Adequate precautions shall be taken to prevent danger from electrical installations.

3.3 Hazardous and flammable materials shall be stacked separately with warning sign boards.

3.4 Hazards due to falling materials shall be prevented as recommended in IS 13416 (Part 1) : 1992

3.5 No materials on any of the sites of work shall be stacked or placed as to cause danger or inconvenience to any person or the public.

3.6 Necessary lights and cautionary sign boards shall be provided near the protective barriers to avoid accidents.

4 DEMOLITION OF BUILDING

4.1 Before any demolition work is commenced and also during the progress of work, the requirements given in 4.1.1 to 4.1.4 shall be followed.

4.1.1 All roads and open areas adjacent to the work site shall be either closed or suitably protected.

4.1.2 No electric cable or apparatus which is liable to be a source of danger or apparatus used by the operator shall remain electrically charged.

4.1.3 All practical steps shall be taken to prevent danger to persons employed from risk of fire, explosion, flooding or collapse of structure and such areas shall be properly demarcated.

4.1.4 Floor, roof or any other part of the building shall not be so overloaded with debris or materials as to render it unsafe.

5 FOUNDATION OF BUILDINGS

Trenches and foundation pits, wherever directed by the Engineer-in-Charge, shall be securely fenced, provided with caution signs and marked with red lights to avoid accidents.

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Doc : No CED 45 (4849)

Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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